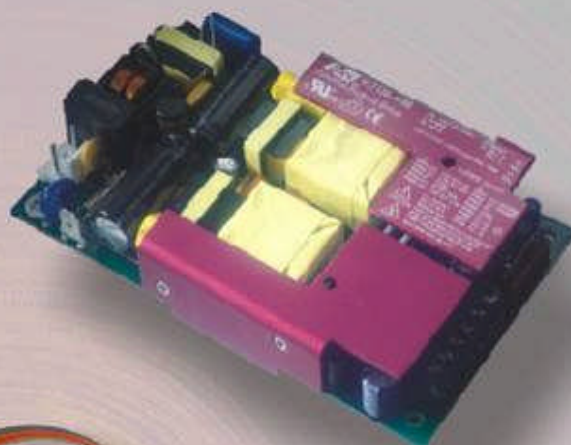
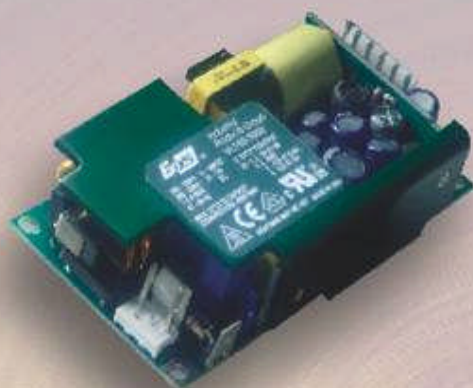


POWER SUPPLY CATALOGUE

STANDARD, MODIFIED & VALUE ADDED SOLUTIONS



Power Conversion Solutions

www.eospower.com

Global Commitment of the EOS Power Team

It is the primary goal of each employee of EOS Power Inc to maintain our company's image as a high quality supplier of high efficiency and small size AC/DC power conversion products for the Global markets which we serve. EOS brand of power conversion products have sold over 30 million units since 1991 to OEM's around the world. Our products are used in life saving medical applications, high end automation processes and customized power solutions for blue chip OEM's globally.

It is therefore our (the employee's) objective and expectation that our CUSTOMERS have 100% confidence in the EOS Power team as a provider of high quality standard and custom power solutions delivered with best in class customer service. We promise our Customers, existing and new that no efforts will be spared to satisfy your requests for timely support, be it technical, commercial, logistical or administrative, a EOS Power employee will be there to help you every step of the way from project conception to the end of project life.

EOS Power has a power and logistics solution for you! We have locations in the USA, Europe, India and China. Each location can provide you with power, logistics and SCM Solutions to suit your needs. Use our website www.eospower.com to check out the latest news and new product introductions. Request our latest catalogue edition showcasing our high efficiency small size EOS branded products, our accredited safety laboratory capabilities and our new supply chain solutions for our Global customers.

*Make the smart choice today
Contact the EOS Power Team for your Global power and logistics solution.*

The Employee's of EOS Power





Table of Contents

Medical Power

<i>MVLT40 Series</i>	5-6
<i>MVLT60 Series</i>	7-8
<i>MVLT80 Series</i>	9-10
<i>MVLT110 Series</i>	11-12
<i>MWLT150 Series</i>  New Product	13-14
<i>MVLT200 Series</i>	15-16
<i>MWLT200 Series</i>  New Product	17-18
<i>MVC65 Series</i>	19-20



Commercial Power

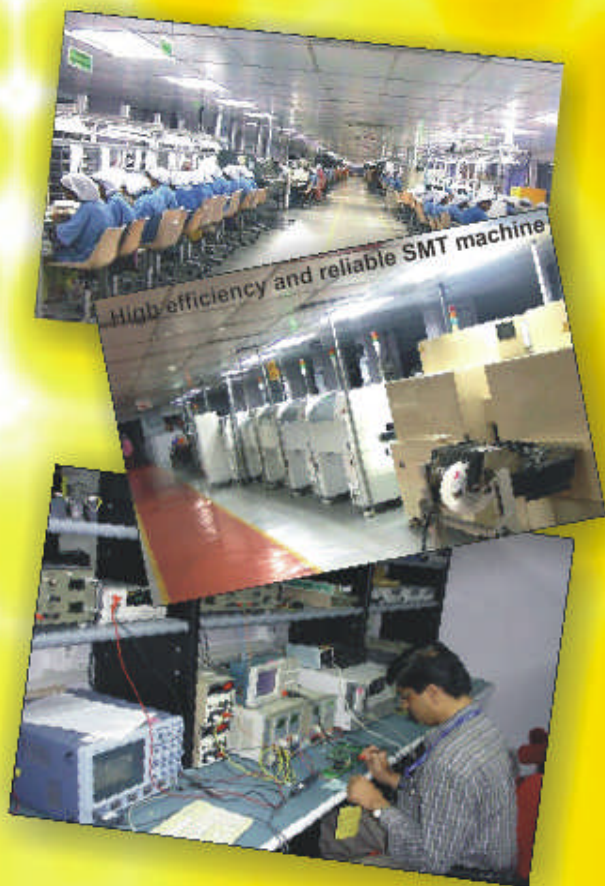
<i>VLT40 Series</i>	43-44
<i>VLT60 Series</i>	45-46
<i>VLT80 Series</i>	47-48
<i>VLT100 Series</i>	49-50
<i>VLT110 Series</i>	51-52
<i>VLT130 Series</i>	53-55
<i>VLT150 Series</i>	56-58
<i>WLT150 Series</i>  New Product	59-60
<i>VLT200 Series</i>	61-62
<i>WLT200 Series</i>  New Product	63-64

External Power

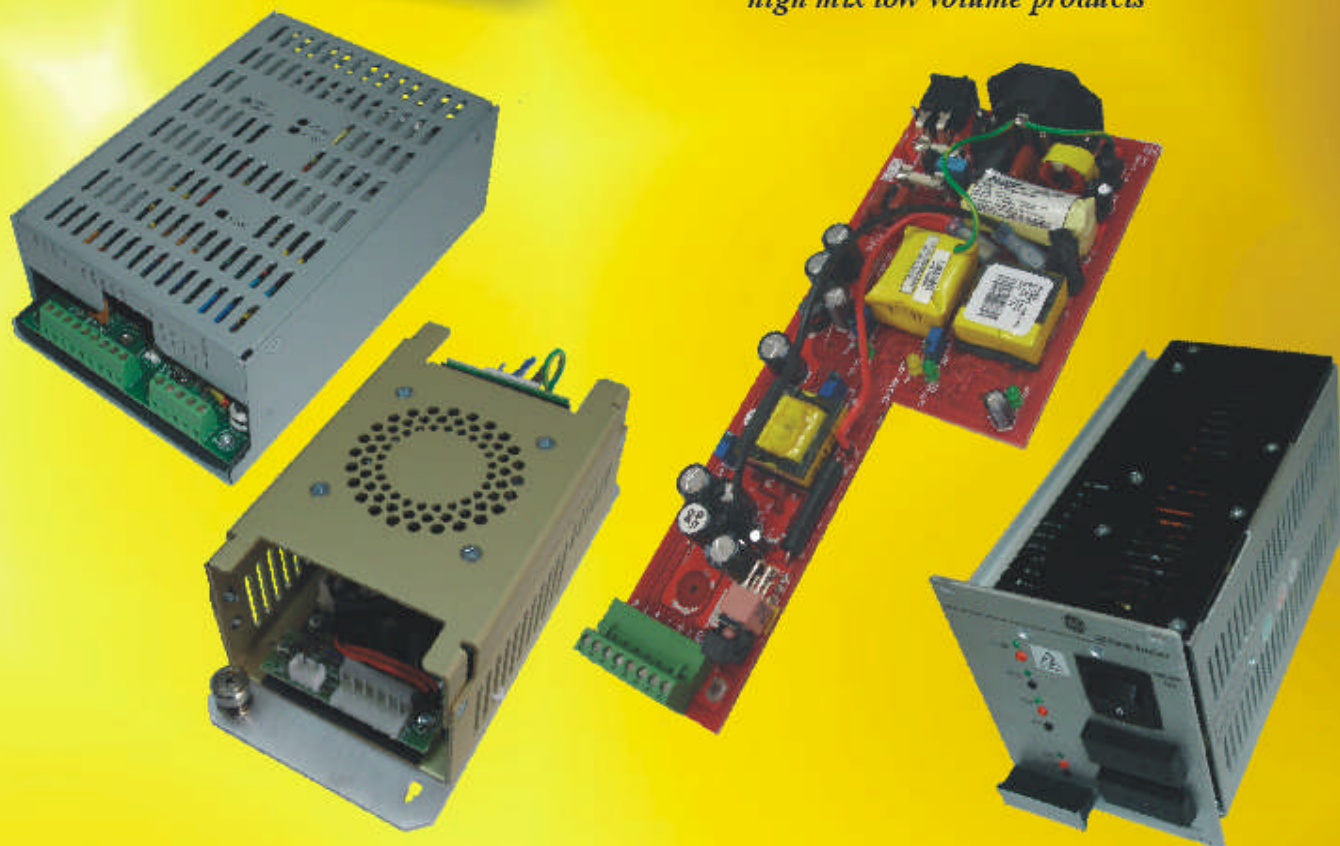
<i>ZVC180NP Series</i>  New Product	21-22
<i>ZVC120SP Series</i>  New Product	23-24
<i>ZVC72NP Series</i>  New Product	25-26
<i>ZVC60NP Series</i>  New Product	27-28
<i>ZVC36NP Series</i>  New Product	29-30
<i>ZVC30NP Series</i>  New Product	31-32
<i>ZVC90 Series</i>	33-34
<i>ZVC65 Series</i>	35-36
<i>ZVC45 Series</i>	37-38
<i>LVC45 & LVC55 Series</i>	39-40
<i>LVC36 Series</i>	41-42

Cover Kit Assemblies

<i>VLT60CK</i>	65
<i>VLT80CK</i>	66
<i>VLT150CK</i>	67
<i>WLT100CK</i>	68
<i>WLT200CK</i>  New Product	69
<i>Cable connector & AC Cord options</i>	70
<i>Product Road-map</i>  Up Coming Product	71



- ✧ *USA based Corporation Headquartered in Daytona Beach, Florida.*
- ✧ *Manufacturing facility based in India. EOS provides 20 years of experience with power conversion products design, development and manufacturing solutions for high reliability applications*
- ✧ *Design flexibility enables easy modification and value added solutions.*
- ✧ *Strong Global Sales/Service support.*
- ✧ *A dedicated cross functional team allowing an intimate flexible customer approach and strict conformance to specification, cost, quality and delivery.*
- ✧ *Medical Power, Industrial, Multimedia, IT Lan / Wan applications.*
- ✧ *Over 3000 end user customers and over 30 million power supplies in service.*
- ✧ *Small Size & High efficiency product line*
- ✧ *Produce both low mix high Volume and high mix low volume products*





- ✦ *Manufacturing facility at SEZ, Mumbai, India.*
- ✦ *Over 50,000 Sq. ft Manufacturing facility in India.*
- ✦ *400 + Employees world wide.*
- ✦ *Manufacturing technology includes surface mount assembly, wave soldering, ultrasonic welding, magnetics assembly, box level assembly and test solutions.*
- ✦ *Quality system and process rewards: ISO 9001 & ISO 14001 certified*
- ✦ *Quality first mentality approach has helped to be proud partner of various OEMs and medical customers.*
- ✦ *RoHS Compliant manufacturing lines and products.*
- ✦ *UL/NEMKO approved compliance laboratory and EMI/EMC test facility.*
- ✦ *For over 20 years EOS has operated a robust design and manufacturing systems based on lean and six sigma tools. Today Kaizen, 5 S and other lean practices are significant part of company culture and as a testimony to this, EOS has won many awards for excellence in Manufacturing , Quality and Environmental protection from D&B Elcina , frost and Sullivan - The Economics Times*
- ✦ *Common English language facilitates ease of communication across all levels and functions of the organisation.*



SAFETY COMPLIANCE TESTING AND PRE-APPROVAL

By
EOS Power

✦ At EOS Power we understand the complexities of designing, approving and manufacturing a product for the Global Marketplace. All companies have their strengths and weaknesses, knowing and understanding these are key to making the correct choices when designing your next system which requires AC/DC power conversion products.

✦ EOS Power are focussed on adding value for its existing and new customer bases Globally. We understand Safety Compliance requirements for every end user is different but our goal is to make the path to compliance easier and faster. Ensuring the end system is released to the market without safety issues and ensuring returns on investment are realized in the fastest time possible is the key to our mutual success.

✦ Our Safety Engineers have years of experience in systems pre-approval, power supply approval and third party agency submissions. Our laboratories are UL/Nemko approved and are stocked with all the latest technology to enable accurate results to be attained and rapid reports generated for our customers.

✦ Our capabilities are open to all our customers, big and small. Let us help you navigate the world of safety compliancy and get our approved Products and Systems out to our Global customer base with ease.



✦ **Specific Area's of Expertise**

- ✦ IEC/EN60950
(IT Equipment)-
- ✦ IEC/EN60065
(Audio/Video Equipment)
- ✦ IEC/EN60601
(Medical Equipment—eneral)

✦ **Consultancy Services and Approvals Marks for**

- ✦ UL, CSA, NOM, IRAM, NEMKO, TuV, CCC, PSE, SAI, BSMI, PSB, eK to name a few as well as any World Wide Agency Mark

Capabilities

1. Safety Testing
2. EMC Testing
3. Pre-compliance Testing
4. Safety Report Writing
5. Third Party Submissions
6. Evaluation to specific Standards
7. Aid resolving non-conformities
8. Experienced Safety Engineering personnel
9. Guidance on new or pending legislation
10. Safety Plan Preparation
11. Product Analysis and Advice



MVLT40 Series

Medical 40 Watt AC/DC Power Supplies

Low profile in a 4.0"x2.0"x1.07" package and over 82% efficient the EOS MVLT40 medical power supply family comes in single and triple DC output configurations. The low leakage current MVLT40 offers a full 40 watts output power with convection cooling and more with optional air flow. A cover kit is available for easy drop in design and manufacturability.

This industry and designer's favorite is used to power a variety of medical applications to include endoscopy systems and video, pumps/drips, test and lab gear, sleep disorder, If space is a premium and thermal management integral to your design we suggest the MVLT40 as the optimum solution. The MVLT40 family is RoHs compliant and our factory is ISO 14001 environmentally approved. Worldwide medical safety standards apply and the power supply is fitted with OVP and OCP standard features. Applications include:

- Endoscopy equipment
- Pumps, IVs and drips
- Laboratory gear
- Fluid analyzers
- Respiratory systems
- Diagnostic systems



Features :

- > **Low leakage current**
<250 μ A
- > **EN55022-B, CISPR22-B**
FCC Part 15 Level B
- > **Small 4.0"x2.0"x1.07**
inch package
- > **Ultra high efficiency**
>82%
- > **NEMKO, UL, and CSA**
approvals to IEC60601
- > **Cover Kit accessory**
available.

Model Number	Output	Voltage / Current *	Voltage Set Point	Min. Load
MVLT40-1200	V1	5V@ 8.0A	5. 1V	0. 2A
MVLT40-1201	V1	12V@ 3.5A	12V	0. 1A
MVLT40-1202	V1	15V@ 2.7A	15V	0. 1A
MVLT40-1203	V1	24V@ 1.7A	24V	0. 05A
MVLT40-1204	V1	48V@ 0.83A	48V	0.05A
MVLT40-3200	V1	5V@6.0A	5. 2V	0. 5A
	V2	12V@2.0A	12. 5V	0. 1A
	V3	-12V@0.5A	-12. 8V	0. 0A
MVLT40-3201	V1	5V@6.0A	5. 2V	0. 5A
	V2	24V@1.0A	24V	0. 1A
	V3	-12V@0.5A	-12. 8V	0. 0A
MVLT40-3202	V1	5V@6.0A	5. 2V	0. 5A
	V2	15V@1.5A	14. 6V	0. 1A
	V3	-15V@0.5A	-14. 8V	0. 0A
MVLT40-3203	V1	3.3V@6.0A	3. 3V	0. 1A
	V2	5V@3.0A	5. 2V	0. 1A
	V3	-12V@0.5A	-12. 8V	0. 0A
VLT60CK	Metal cover kit accessory			

* Maximum current per output channel. Do not exceed total output power rating

All EOS power supplies have UL, CSA and Nemko safety compliance and medical versions meet UL60601-1 standards. All our products are RoHs compliant. Visit us at www.eospower.com and contact us at: sales@eospower.com or by calling +1 805-409-0909 today. © 2008, EOS Power. EOS brand power supplies and patents are owned exclusively by EOS Power. All Rights Reserved.

INPUT SPECIFICATION

AC Input	Auto-ranging	90 to 132V 180 to 264V
Efficiency Typical	MVLT40-3203 Other Models	75% 82%
Input Frequency		47-63 Hz
Input Current	Full Load at low line	1.1Arms , max
Inrush Current	High Line , cold start	75A, max
Leakage Current		<250 μ A

OUTPUT SPECIFICATIONS

Output Power		40W max
Voltage Set Point		See table
Hold-Up Time	115V/230V	6ms./15ms
Voltage Set Point Accuracy	V1 V2 and V3	\pm 3% \pm 5%
Line Regulation	Low line to high line	\pm 0.3%
Load Regulation	Min to 50% & 50% to Max load V1 V2 and V3	\pm 0.5% \pm 5%
Transient Response	50% to full load Voltage Deviation Recovery Time	10%, max <5 ms
OVP (For 3 o/p models only)	V1 only 3.3 V V1 only 5V	3.95V, \pm 0.25V 6.2V, \pm 0.4V
Overload Protection	Primary limited	Yes, 130%
Short Circuit Protection	Auto recovery <6s	Short Term
Ripple and Noise	3.3V and 5V Other voltages	50mV 1%
Output Rise Time	All outputs	<100ms



MVLT40 Series

Medical 40W AC/DC Power Supplies



MECHANICAL SPECIFICATION

AC Input Connector J1	Molex 3 position, 0.156 center Header 26-60-4030 or equivalent
Ground Connector	Spade connector
DC Output connector J2	Molex 6 position, 0.156 center Header 26-60-4060 or equivalent
Size	4.0 "X 2.0" x 1.07" 101.6 x 50.8 x 27.18 mm
Weight	5oz (150g)

INPUT SPADE CONNECTOR

GND	AC Ground
-----	-----------

INPUT CONNECTOR J1

Pin1	AC Neutral
Pin2	AC Line

ENVIRONMENTAL SPECIFICATION

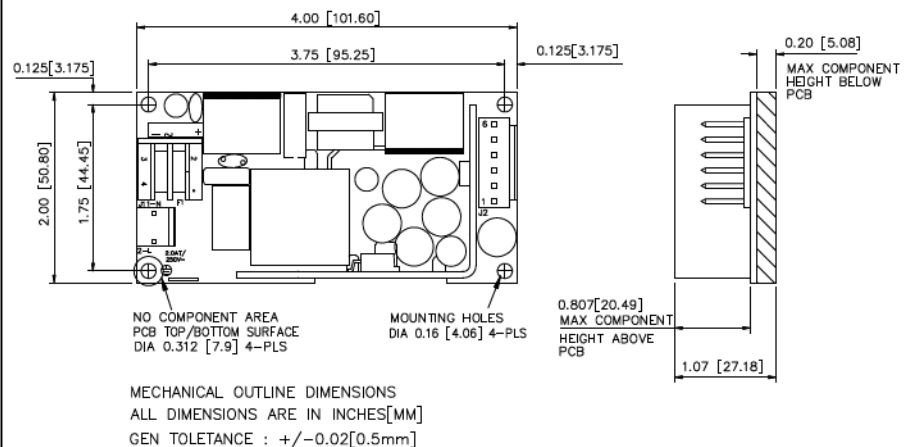
Operating Temperature	No derating Linear derate to 50%	0 to 50° C 51 to 70° C
Storage Temperature		-40 to 70° CC
Cooling		Convection
Relative humidity	Non condensing	95%, max
MTBF	MIL - HDBK-217F	> 100,000 hrs

EMC AND SAFETY SPECIFICATIONS

CE Mark	Complies with the LVD
EMC	EN5022-B, CISPR22-B, FCC Part 15 Class B, EN50082-1 EN60601-1-2ND ED
Agency Approval	VDE, UL, c-UL
Safety Standard	IEC60601-1, EN60601-1-1, UL60601-1, CSA C22.2 No 601 Class 1 SELV.
Safety file number	NEMKO: P06206742 UL: E173812
Isolation Voltage	4000 VAC

OUTPUT CONNECTOR J2

	Single Output	Triple Output
Pin1	V1	V1
Pin2	V1	V1
Pin3	Common	Common
Pin4	Common	Common
Pin5	NC	V3
Pin6	NC	V2



All EOS power supplies have UL, CSA and Nemko safety compliance and medical versions meet UL60601-1 standards. All our products are RoHS compliant. Visit us at www.eospower.com and contact us at: sales@eospower.com or by calling +1 805-409-0909 today. © 2008, EOS Power. EOS brand power supplies and patents are owned exclusively by EOS Power. All Rights Reserved.



MVLT60 Series

Medical 60 Watt AC/DC Power Supplies

The medical industry's most demanded 60-watt convection cooled multi-output AC/DC power supply. The EOS MVLT60 medical family of power supplies is just 4.0"x2.04"x1.07" in size and the industry leader in density and power conversion efficiency.

Packing nearly 8 watts per cubic inch the MVLT60 features single and multiple outputs, superb efficiency converting AC/DC at >80% and a full 60 watts output power with convection cooling. The EOS brand MVLT60 family is the power supply of choice for discerning engineers across the medical industry and for applications ranging from defibrillators to endoscopes to fluid analyzers and respiratory systems. An optional cover kit is available. The MVLT60 is ideal for 1U (1.75") height and smaller applications where space is a premium and excellent thermal management is key. The MVLT60 family is RoHS compliant and our factory is ISO 14001 environmentally approved. Worldwide medical safety standards apply and each power supply is fitted with OVP and OCP standard features.



Features :

- > Low leakage current <250 μ A
- > EN55022-B, CISPR22-B FCC Part 15 Level B
- > Small 4.0x2.04x1.07 inch package
- > Ultra high efficiency >80%
- > NEMKO, UL, and CSA approvals to IEC60601-1
- > 60W from 1 to 3 outputs
- > Cover Kit accessory available.

Model Number	Output	Voltage / Current *	Voltage Set Point	Min. Load
MVLT60-1200	V1	5V@10.0A	5.1V	0.2A
MVLT60-1201	V1	12V@5.0A	12V	0.1A
MVLT60-1202	V1	15V@4.0A	15V	0.1A
MVLT60-1203	V1	24V@2.5A	24V	0.05A
MVLT60-1204	V1	48V@1.25A	48V	0.05A
MVLT60-3200	V1	5V@8.0A	5.2V	0.5A
	V2	12V@3.0A	12.5V	0.1A
	V3	-12V@0.5A	-12.8V	0.0A
MVLT60-3201	V1	5V@8.0A	5.2V	0.5A
	V2	24V@1.5A	24V	0.1A
	V3	-12V@0.5A	-12.8V	0.0A
MVLT60-3202	V1	5V@8.0A	5.2V	0.5A
	V2	15V@2.5A	14.6V	0.1A
	V3	-15V@0.5A	-14.8V	0.0A
MVLT60-3203	V1	3.3V@8.0A	3.3V	0.1A
	V2	5V@3.0A	5.2V	0.1A
	V3	-12V@0.5A	-12.8V	0.0A
VL60CK	Metal cover kit accessory			

* Maximum current per output channel. Do not exceed total output power rating

INPUT SPECIFICATION

AC Input	Auto-ranging	90 to 132V 180 to 264V
Efficiency		80% Typical
Input Frequency		47-63 Hz
Input Current	Full Load at low line	1.4Arms , max
Inrush Current	High Line , cold start	75A, max
Leakage Current		<250 μ A

OUTPUT SPECIFICATIONS

Output Power	MVLT60-1200 MVLT60-3203 Other Models	50W 45W 60W Max
Voltage Set Point		See table
Hold-Up Time	115V/230V	6ms./15ms
Voltage Set Point Accuracy	V1 V2 and V3	\pm 3% \pm 5%
Line Regulation	Low line to high line	\pm 0.3%
Load Regulation	Min to 50% & 50% to Max load V1 V2 and V3	\pm 0.5% \pm 5%
Transient Response	50% to full load Voltage Deviation Recovery Time	10%, max <5 ms
OVP (For 3 o/p models only)	V1 only 3.3 V V1 only 5V	3.95V, \pm 0.25V 6.2V, \pm 0.4V
Overload Protection	Primary limited	Yes, 130%
Short Circuit Protection	Auto recovery <6s	Short Term
Ripple and Noise	3.3V and 5V Other voltages	50mV 1%
Output Rise Time	All outputs	<100ms

All EOS power supplies have UL, CSA and Nemko safety compliance and medical versions meet UL60601-1 standards. All our products are RoHS compliant. Visit us at www.eospower.com and contact us at: sales@eospower.com or by calling +1 805-409-0909 today. © 2008, EOS Power. EOS brand power supplies and patents are owned exclusively by EOS Power. All Rights Reserved.



MVLT60 Series

Medical 60W AC/DC Power Supplies



EMC AND SAFETY SPECIFICATIONS	
CE Mark	Complies with the LVD
EMC	EN5022-B, CISPR22-B, FCC Part 15 Class B, EN50082-1, EN60601-1-2
Agency Approval	NEMKO, UL, c-UL
Safety Standard	IEC60601-1, EN60601-1-1 UL60601-1, CSA C22.2 NO 601 Class 1 SELV
Safety file number	NEMKO: P06206742 UL: E173812

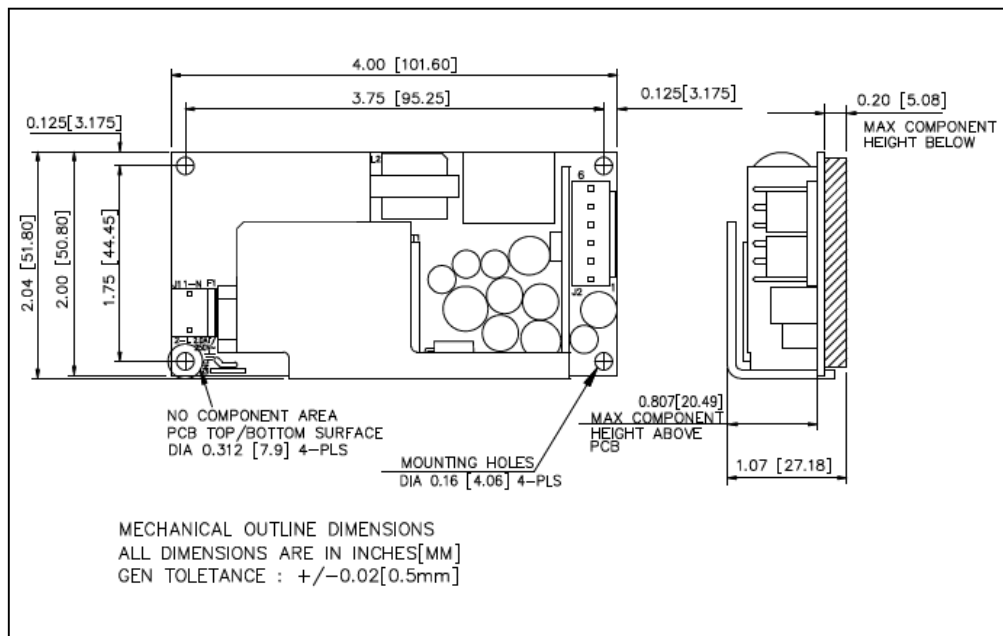
INPUT CONNECTOR J1	
Pin1	AC Neutral
Pin2	AC Line

INPUT SPADE CONNECTOR	
GND	AC Ground

OUTPUT CONNECTOR J2		
	Single Output	Triple Output
Pin1	V1	V1
Pin2	V1	V1
Pin3	Common	Common
Pin4	Common	Common
Pin5	NC	V3
Pin6	NC	V2

ENVIRONMENTAL SPECIFICATION		
Operating Temperature	No derating Linear derate to 50%	0 to 50° C 51 to 70° C
Storage Temperature		-40 to 85° CC
Cooling		Convection
Relative humidity	Non condensing	95%, max
MTBF	MIL - HDBK-217F	> 100,000 hrs

MECHANICAL SPECIFICATION	
AC Input Connector J1	Molex 3 position, 0.156 center Header 26-60-4030 or Equivalent
Ground Connector	Spade connector
DC Output connector J2	Molex 6 position, 0.156 center Header 26-60-4060 or Equivalent
Size	4.0" x 2.04" x 1.07" (101.6 x 51.82 x 27.18 mm)
Weight	5oz (150g)



All EOS power supplies have UL, CSA and Nemko safety compliance and medical versions meet UL60601-1 standards. All our products are RoHS compliant. Visit us at www.eospower.com and contact us at: sales@eospower.com or by calling +1 805-409-0909 today. © 2008, EOS Power. EOS brand power supplies and patents are owned exclusively by EOS Power. All Rights Reserved.



MVLT80 Series

Medical 80 Watt AC/DC Power Supplies

A medical industry favorite at 80-watts with no fan! Power solutions for 1U height and smaller applications are made easy with the single and quad output versions of the venerable 5.0"x3.04"x1.07"

EOS MVLT80 is popular DC voltages are offered from 3.3v to 48v with full universal 90v to 264v input and power conversion ratings > 85%. EN61000-3-2 Class A harmonic current correction is featured as is a full 80 watts power with convection cooling.

Ideal for all medical applications requiring a low profile and high efficiency power solution. Optional cover kit available. The MVLT80 family is RoHs compliant and our factory is ISO 14001 environmentally approved. Worldwide medical safety standards apply and the power supply is fitted with OVP and OCP standard features. Applications include:

- Endoscopy equipment
- Defibrillators
- Pumps
- IV and drips
- Laboratory gear
- Fluid analyzers
- Respiratory systems
- Diagnostic systems
- Medical lights and cameras
- Video systems



Features :

- > **80W Universal input medical AC /DC**
- > **Low leakage current <250μA**
- > **EN55022-B, CISPR22-B FCC Part 15 Level B**
- > **Small 5.0 x 3.04 x 1.07" package**
- > **Ultra high efficiency >85%**
- > **NEMKO, VDE,UL and CSA approvals to IEC60601**
- > **Cover Kit accessory available.**

Model Number	Output	Nom Vout	Set Point	Output Current	Min Load
MVLT80-1000	V1	5V	5.1V	12.0A	1.0A
MVLT80-1001	V1	12V	12V	6.8A	0.2A
MVLT80-1002	V1	15V	15V	5.5A	0.2A
MVLT80-1003	V1	24V	24V	3.4A	0.1A
MVLT80-1004	V1	48V	48V	1.7A	0.2A
MVLT80-4000	V1	5V	5.1V	10.0A	3.0A
	V2	12V	12.25V	3.0A	0.1A
	V3	-5V	-5.1V	0.8A	0.0A
	V4	-12V	-12.5V	0.8A	0.0A
MVLT80-4001	V1	5V	5.1V	10.0A	3.0A
	V2	24V	24.0V	2.0A	0.1A
	V3	12V	12.5V	0.8A	0.0A
	V4	-12V	-12.5V	0.8A	0.0A
MVLT80-4002	V1	5V	5.1V	10.0A	3.0A
	V2	15V	15.9V	3.0A	0.1A
	V3	-5V	-5.1V	0.8A	0.0A
	V4	-15V	-15.9V	0.8A	0.0A
MVLT80-4003	V1	5V	5.1V	10.0A	3.0A
	V2	12V	12.25V	3.0A	0.1A
	V3	24V	23.6V	0.8A	0.0A
	V4	-12V	-12.5V	0.8A	0.0A
MVLT80-4004	V1	3.3V	3.3V	10.0A	3.0A
	V2	5V	5.1V	3.0A	0.1A
	V3	12V	12.5V	0.8A	0.0A
	V4	-12V	-12.5V	0.8A	0.0A
VLT80CK Metal cover kit accessory					

1. Maximum current per output channel. Do not exceed total output power rating
2. Power fail and power good signal on quad output models & optional.

All EOS power supplies have UL, CSA and Nemko safety compliance and medical versions meet UL60601-1 standards. All our products are RoHs compliant. Visit us at www.eospower.com and contact us at: sales@eospower.com or by calling +1 805-409-0909 today. © 2008, EOS Power. EOS brand power supplies and patents are owned exclusively by EOS Power. All Rights Reserved.

INPUT SPECIFICATION		
Input	Universal	90 to 264Vac
Efficiency	All Models MVLT80-4004	85%Typical 80%
Input Frequency		47-63 Hz
Input Current	Full Load at low line	2.2Arms, max
Inrush Current	High Line , cold start	35A, max
Leakage Current		<250 μA

OUTPUT SPECIFICATIONS		
Output Power	Convection cooled	80W max
Hold-Up Time	115V	10ms
Voltage Set Point Accuracy	V1 V2, V3,V4	±3% ±5%
Line Regulation	Low line to high line	±0.3%
Load Regulation	Min to 50% & 50% to Max load V1 V2,V3,V4	±1% ±5%
Transient Response	50% to full load Voltage Deviation Recovery Time	10%, max <1ms
OVP	V1 only 5V 3.3V	6 - 6.8V 3.9 - 4.3V
Overload Protection	Primary Limited	88-128W
Short Circuit Protection	Short Term	Auto Recovery <6s
Ripple and Noise ¹	3.3V & 5V Other voltages	50mV 1%
Power Fail Signal ²		2ms warning
Power Good Signal	Delay after V1 high	100ms, min
Output Rise Time		< 40ms



MVLT80 Series

Medical 80W AC/DC Power Supplies



MECHANICAL SPECIFICATIONS

AC Input Connector J1	Molex 3 position, 0.156 center Header 26-60-4030 or equivalent
Ground Connector	Spade connector 0.25"
DC Output Connector J2	Molex 12 position, 0.156 center header 26-60-4120 or equivalent
Output Connector J3	Molex 2 position, 0.100 center header 22-23-2021 or equivalent
Size	5.0 x 3.04 x 1.07" (127 x 77.22 x 27.18 mm)
Weight	9oz (250 g)

OUTPUT CONNECTOR J2

	Single Output	Quad Output
Pin 1,2,3,4	V1	V1
Pin 5,6,7,8	DC Return	DC Return
Pin 9,10	NC	V2
Pin 11	NC	V3
Pin 12	NC	V4

ENVIRONMENTAL SPECIFICATION

Operating Temperature	No derating Linear derate 50%	0 to 50° C 51 to 70° C
Storage Temperature		-40 to 70° C
Cooling	Convection	80W
Relative humidity	Non condensing	95%, max
MTBF	MIL-HDBK-217F	> 200,000 hrs

INPUT CONNECTOR J1

Pin 1	Ac Neutral
Pin 2	Ac Line

INPUT SPADE CONNECTOR

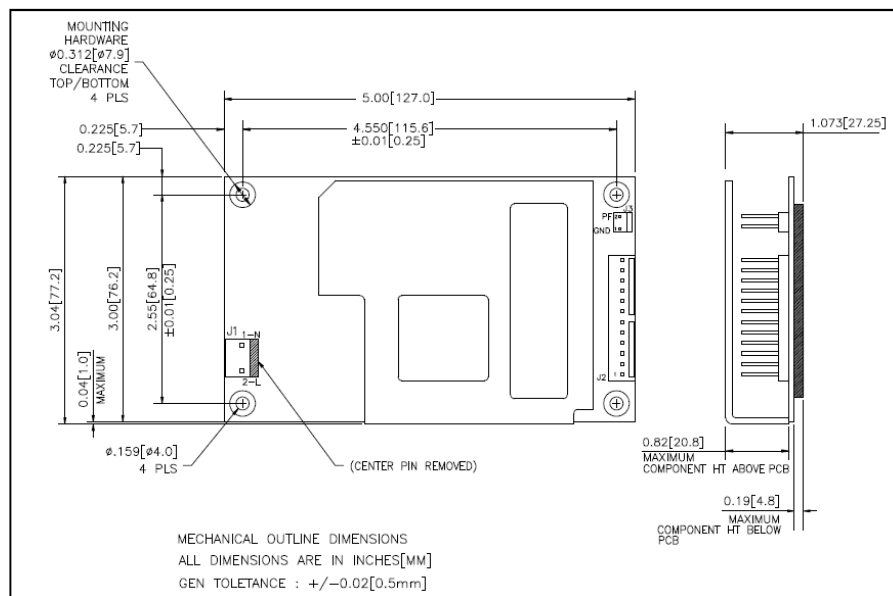
GND	AC Ground
-----	-----------

OUTPUT CONNECTOR J3

Single Output	
Pin 1	Common
Pin 2	Power Fail / Good

EMC AND SAFETY SPECIFICATIONS

CE Mark	Complies with the LVD
EMC	EN5022-B, CISPR22-B, FCC Part 15 Class B, EN50082-1 EN60601-1-2ND ED
Agency Approval	NEMKO, UL, c-UL
Safety Standards	IEC60601-1, EN60601-1-1, UL60601-1, CSA C22.2 No 601 Class 1 SELV.
Safety file numbers	NEMKO:P069506 UL: E173812



All EOS power supplies have UL, CSA and Nemko safety compliance and medical versions meet UL60601-1 standards. All our products are RoHS compliant. Visit us at www.eospower.com and contact us at: sales@eospower.com or by calling +1 805-409-0909 today. © 2008, EOS Power. EOS brand power supplies and patents are owned exclusively by EOS Power. All Rights Reserved.



MVLT110 Series

Medical 110 Watt AC/DC Power Supplies

EOS brand MVLT110 family of medically certified power supplies utilize our patented resonant technology in a slim line 5.0"x 3.04"x1.07" package and over 82% efficiency. Single and quad outputs in all popular DC output configurations are available ranging from 3.3v to 48v. Packing over 8 watts per cubic inch the MVLT110 family is ideal for a wide range of medical industry applications where space is a premium, thermal management critical and a known supplier key.

MVLT110 has universal 90v to 264v input and meets EN61000-3-2 class A&D harmonics with less than 250 micro amps leakage current. The MVLT110 family is RoHs compliant and our factory is ISO 14001 environmentally approved. Worldwide medical safety standards apply and the power supply is fitted with OVP and OCP standard features. Applications include:

- Endoscopy equipment
- Defibrillators & Pumps
- Laboratory gear, IV & drips
- Fluid analyzers
- Respiratory & Diagnostic systems
- Medical lights & cameras
- Video systems



Features :

- > 110 W Universal input medical AC/DC
- > EN55022-B, CISPR22-B FCC Part 15 Level B, IEC60601-1-2
- > Low leakage current <250µA
- > Ultra high efficiency >82%
- > Small 5.0 x 3.04 x 1.07" size
- > NEMKO, UL, and CSA approvals to IEC60601
- > Cover Kit accessory available.

Model Number	Output	Nom Vout	Set Point	Current No Fan	Current 150LFM	Min Load
MVLT110-1300	V1	5V	5.1V	12A	18A	0.1A
MVLT110-1301	V1	12V	12V	6.8A	9.2A	0.4A
MVLT110-1302	V1	15V	15V	5.5A	7.3A	0.4A
MVLT110-1303	V1	24V	24V	3.33A	4.6A	0.1A
MVLT110-1304	V1	48V	48V	1.7A	2.3A	0.2A
MVLT110-4300	V1	5V	5.1V	10.0A	15.0A	1.0A
	V2	12V	12.4V	3.0A	4.1A	0.1A
	V3	-5V	-5.1V	0.8A	1.1A	0.0A
	V4	-12V	-12.5V	0.8A	1.1A	0.0A
MVLT110-4301	V1	5V	5.1V	10.0A	15.0A	1.0A
	V2	24V	23.5V	2.0A	2.75A	0.1A
	V3	12V	12.5V	0.8A	1.1A	0.0A
	V4	-12V	-12.5V	0.8A	1.1A	0.0A
MVLT110-4302	V1	5V	5.1V	10.0A	15.0A	1.0A
	V2	15V	16.0V	3.0A	4.1A	0.1A
	V3	-5V	-5.1V	0.8A	1.1A	0.0A
	V4	-15V	-16.0V	0.8A	1.1A	0.0A
MVLT110-4303	V1	5V	5.1V	10.0A	15.0A	1.0A
	V2	12V	12.4V	3.0A	4.1A	0.1A
	V3	24V	24.0V	0.8A	1.1A	0.0A
	V4	-12V	-12.5V	0.8A	1.1A	0.0A
MVLT110-4304	V1	3.3V	3.3V	10.0A	15.0A	1.0A
	V2	5V	5.1V	3.0A	4.1A	0.1A
	V3	12V	12.5V	0.8A	1.1A	0.0A
	V4	-12V	-12.5V	0.8A	1.1A	0.0A

OUTPUT SPECIFICATIONS		
Hold-Up Time	115V	15ms
Voltage Set Point Accuracy	V1 V2 V3,V4	±3% ±5% ±7%
Line Regulation	Low line to high line	±0.3%
Load Regulation Min to 50% & 50% to Max load	V1 V2 V3,V4	±1% ±5% ±7%
Transient Response	50% to full load Voltage deviation Recovery time	10%, max <1ms
OVP	V1 only 5V 3.3V	6.4v, +0.4V 4.1V, +0.2v
Overload Protection	Primary Limited	110 to 160W
Short Circuit Protection	Auto Recovery <6s	Short term
Ripple and Noise ¹	3.3V & 5V Other voltages	50mV 1%
Power Fail Signal ²	TTL active low	1ms warning
Output rise time		<40ms

1. Maximum current per output channel. Do not exceed total output power rating
2. Power fail signal on quad output models & optional.

All EOS power supplies have UL, CSA and Nemko safety compliance and medical versions meet UL60601-1 standards. All our products are RoHs compliant. Visit us at www.eospower.com and contact us at: sales@eospower.com or by calling +1 805-409-0909 today. © 2008, EOS Power. EOS brand power supplies and patents are owned exclusively by EOS Power. All Rights Reserved.



MVLT110 Series

Medical 110W AC/DC Power Supplies



MECHANICAL SPECIFICATION	
AC Input Connector J1	Molex 3 position, 0.156 center Header 26-60-4030 or equivalent
Ground Connector	Spade connector
DC Output connector J2	Molex 6 position, 0.156 center Header 26-60-4060 or equivalent
Size	5.0"x3.04" x1.07" (127.0 x 76.2 x27.18 mm)
Weight	9oz (250g)

INPUT SPECIFICATIONS		
AC Input	Universal	90 to 264V
Efficiency	Typical	82%
Input Frequency		47-63 Hz
Input Current	Full Load at low line	2.5Arms , max
Inrush Current	High Line , cold start	65A, max
Leakage Current		<250 μ A

INPUT CONNECTOR J1	
Pin 1	AC Neutral
Pin2	AC Line

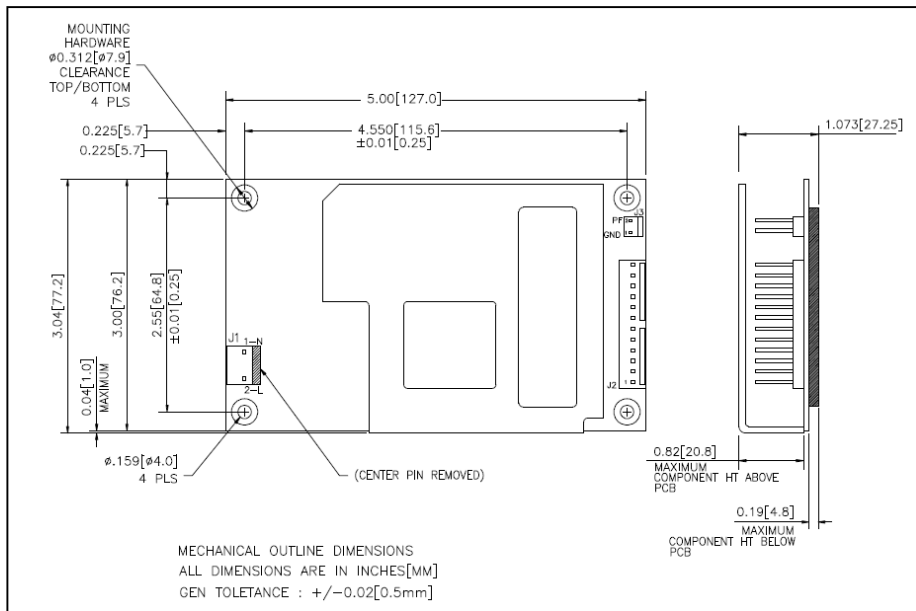
INPUT CONNECTOR J3	
Pin 1	Common
Pin 2	Power Fail

INPUT SPADE CONNECTOR	
GND	AC Ground

OUTPUT CONNECTOR J2		
	Single Output	Quad Output
Pin 1, 2, 3, 4	V1	V1
Pin 5, 6, 7, 8	DC Return	DC Return
Pin 9, 10	NC	V2
Pin 11	NC	V3
Pin 12	NC	V4

Total Output Power Rating			
Cooling	Convection	Fan Vin >100V	Fan Vin <100V
Single Output	80W	110W	100W
Quad Output	75W	110W	100W
MVLT110-4304	70W	98W	98W
MVLT110-1300	62W	92W	92W

ENVIRONMENTAL SPECIFICATIONS		
Operating Temperature	No derating Linear derate to 50%	0 to 50° C 51 to 70° C
Storage Temperature		-40 to 70° C
Cooling	Convection / Fan	80W / 110W
Relative humidity	Non condensing	95%, max
MTBF	MIL - HDBK-217F	> 200,000 hrs



EMC AND SAFETY SPECIFICATIONS	
CE Mark	Complies with the LVD
EMC	EN5022-B, CISPR22-B, FCC Part 15 Class B, EN50082-1 EN60601-1-2
Harmonic Correction	EN61000-3-2 Class A
Agency Approvals	NEMKO , UL , c-UL
Safety Standards	IEC60601-1, EN60601-1-1, UL60601-1, CSA C22.2 No.6001.1
Safety file number	NEMKO:P06207072 UL: E173812

All EOS power supplies have UL, CSA and Nemko safety compliance and medical versions meet UL60601-1 standards. All our products are RoHS compliant. Visit us at www.eospower.com and contact us at: sales@eospower.com or by calling +1 805-409-0909 today. © 2008, EOS Power. EOS brand power supplies and patents are owned exclusively by EOS Power. All Rights Reserved.



MVLT200 Series

Medical 200 Watt AC/DC Power Supplies

Medical designer's 200 watt power supply of choice. The EOS brand MVLT200 medical power supply family features single-output DC configurations from 5v to 48v and efficiencies greater than 85%. Fitted in a 6.3"x3.0"x1.3" package the MVLT200 has over 8 watts per cubic inch power, 90-264v universal input, power good and fail signals, remote sense and remote on/off features.

MVLT200 family has low conducted and radiated noise and meets EN61000-3-2 class A&D harmonics. The MVLT200 family is RoHS compliant and our factory is ISO 14001 environmentally approved. Worldwide safety standards apply and the power supply is fitted with OTP, OVP and OCP standard features and an operating range from 0 to 50 degrees C. Applications include:

- Endoscopy equipment
- Defibrillators, Pumps
- Laboratory gear, IV & drips
- Fluid analyzers
- Respiratory systems
- Diagnostic systems
- Medical lights and cameras
- Video systems



Features :

- > 6.3 x3.0 x 1.3" Medical Power Supply
- > 200W fan cooled rating
- > Patented resonant topology
- > Ultra high efficiency >85%
- > Low conducted and radiated noise
- > EN61000-3-2 class D Harmonics

Model Number	Out-put	Nom Vout	Set Point	Current No Fan	Current 300 LFM	Min Load
MVLT200-1001	V1 Vsb	12V 5V	12V 5V	9.2A 0.5A	16.6A 0.5A	0A 0A
MVLT200-1002	V1 Vsb	15V 5V	15V 5V	7.3A 0.5A	13.3A 0.5A	0A 0A
MVLT200-1003	V1 Vsb	24V 5V	24V 5V	4.5A 0.5A	8.3A 0.5A	0A 0A
MVLT200-1004	V1 Vsb	48V 5V	48V 5V	2.3A 0.5A	4.16A 0.5A	0A 0A

INPUT SPECIFICATION		
AC Input	Auto-ranging	90 to 264V
Efficiency		85%
Input Frequency		47-63 Hz
Input Current	Full Load at low line	3.0Arms, max
Inrush Current	High Line , cold start	100A, max
Leakage Current		<250 μ A

1. Ripple and noise measured with 0.1uF C-cap and 10uF tantalum cap at measurement point
2. Power failure signals give a 1ms warning before output drops.
3. Remote sense requires 300LFM airflow.
4. Remote On/Off TTL high or open switches power supply off. TTL low/GND will turn on the power supply. Remote On/Off does not effect the Vsb stand by voltage.

OUTPUT SPECIFICATIONS		
Output Power	Convection / Fan	110W / 200W
Hold-Up Time	115V	10ms / 15ms
Voltage Set Point Accuracy	V1	\pm 1%
Line Regulation	Low line to high line	\pm 1.0%
Load Capacitance	Max permissible	3000 uF
Load Regulation Min to 50% & 50% to Max load	V1	\pm 1.0%
Transient Response 50% to full load	Voltage Deviation Recovery Time	7%, max 5ms
Ripple and Noise ¹		1%
Output Overshoot	Turn on	<5%
Output Rise Time		<20ms
OVP		Redundant feed back type
Overload Protection	Primary Hiccup	210 to 260 W
Short Circuit Protection	Auto Recovery <6s	Short term
Power Fail Signal ²	TTL active low	1ms warning
Power Good Signal	Delay after V1 high	0.1s to 1s
Remote Sense ³	Line Compensation	500mV
Remote On/ Off ⁴	TTL Open Collector	Yes

All EOS power supplies have UL, CSA and Nemko safety compliance and medical versions meet UL60601-1 standards. All our products are RoHS compliant. Visit us at www.eospower.com and contact us at: sales@eospower.com or by calling +1 805-409-0909 today. © 2008, EOS Power. EOS brand power supplies and patents are owned exclusively by EOS Power. All Rights Reserved.



MVLT200 Series

Medical 200W AC/DC Power Supplies



MECHANICAL SPECIFICATIONS	
AC Input Connector J2	Molex 3 position, 0.156 center Header 26-60-4030 or Equivalent
J1 Mating Connector	Molex 09-50-3031 or Equivalent
Ground Connector	Spade connector, 0.25"
Output Connector J5	Tyco terminal block 282841-6 or Equivalent
J2 Wire Torque	5in /lb
Output Connector J1	Molex 22-23-2081 or Equivalent
J3 Mating Connector	Molex 10-11-2083 or Equivalent
Size (L x W x H)	6.3 x 3.0 x 1.3" (160 x 76.2 x 33 mm)
Weight	15oz (450g)

ENVIRONMENTAL SPECIFICATION		
Operating Temperature	No derating	0 to 50° C
Storage Temperature		-40 to 85° C
Cooling	Convection / 300LFM	110W / 200W
Relative humidity	Non condensing	95%, max
MTBF	Bellcore-TR332	> 100,000 hrs

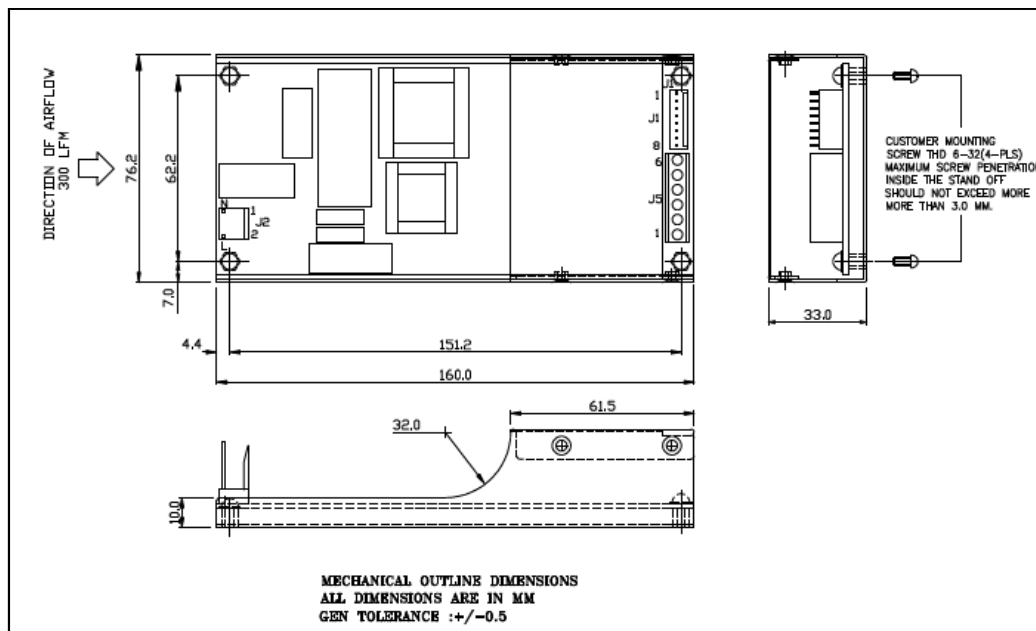
INPUT SPADE CONNECTOR	
GND	AC Ground

EMC AND SAFETY SPECIFICATIONS	
CE Mark	Complies with the LVD
EMC	EN5022-B, CISPR22-B, FCC Part 15 Class B, EN50082-1 EN60601-1-2ND ED
Harmonic Correction	EN1000-3-2 Class D
Agency Approval	NEMKO , UL, c-UL
Safety Standards	IEC60601-1, EN60601-1-1, UL60601-1, CSA C22.2 No 601 Class 1 SELV.
Safety file numbers	NEMKO: P0620674 UL: E173812

OUTPUT CONNECTOR J5	
Single Output	
Pin 1	Vsb
Pin 2	+V1
Pin 3	DC Return
Pin 4	DC Return
Pin 5	+V1
Pin 6	DC Return

INPUT CONNECTOR J2	
Pin 1	Neutral
Pin 2	Line

OUTPUT CONNECTOR J1	
Single Output	
Pin 1	No Connection
Pin 2	No Connection
Pin 3	Power Fail
Pin 4	Common
Pin 5	-V1 Sense
Pin 6	+V1 Sense
Pin 7	No Connection
Pin 8	Remote On/Off



All EOS power supplies have UL, CSA and Nemko safety compliance and medical versions meet UL60601-1 standards. All our products are RoHs compliant. Visit us at www.eospower.com and contact us at: sales@eospower.com or by calling +1 805-409-0909 today. © 2008, EOS Power. EOS brand power supplies and patents are owned exclusively by EOS Power. All Rights Reserved.



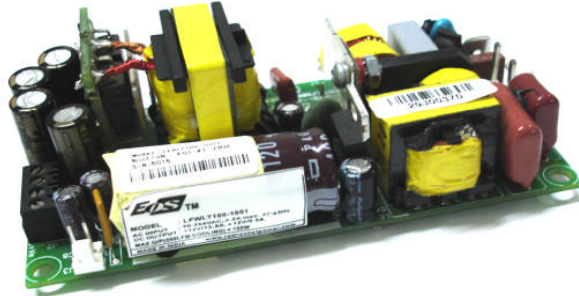
MWLT150 Series

New Product



Medical 150 Watt 2 x 4 Inch AC/DC Power Supplies

The M-Series of Medical Open Frame Power Supplies are ideal for Dental & Laboratory products & systems. Endoscopes, Instruments, Pumps, Drips, Medical Monitors, Defibrillators, Sleep Apnea devices and many other uses.



Features :

- > 150 W with Forced Air Cooling.
- > Small 2x4x1.324 inch form factor.
- > High efficiency > 86%.
- > 12V Fan O/P
- > Low conducted and radiated noise.
- > Medical Approvals
- > 12V @ 0.5A Fan Voltage auxiliary output.
- > Class 1 & 2 products
- > Light weight
- > Cover Kit accessory available.

Model Number	Description	Voltage/ Current	Voltage/ Current
		(Convection)	(Fan Cooled)
MWLT150-1000	Class 1 with Screw Terminal	5V @ 16A	5V @ 20A
MWLT150-1000-2	Class 2 with Screw Terminal		
MWLT150-1300	Class 1 with JST Connector	5V @ 16A	5V @ 16A
MWLT150-1300-2	Class 2 with JST Connector		
MWLT150-1001	Class 1 with Screw Terminal	12V @ 8.33A	12V @ 12.5A
MWLT150-1001-2	Class 2 with Screw Terminal		
MWLT150-1301	Class 1 with JST Connector		
MWLT150-1301-2	Class 2 with JST Connector		
MWLT150-1002	Class 1 with Screw Terminal	15V @ 6.67A	15V @ 10A
MWLT150-1002-2	Class 2 with Screw Terminal		
MWLT150-1302	Class 1 with JST Connector		
MWLT150-1302-2	Class 2 with JST Connector		
MWLT150-1003	Class 1 with Screw Terminal	24V @ 4.17A	24V @ 6.25A
MWLT150-1003-2	Class 2 with Screw Terminal		
MWLT150-1303	Class 1 with JST Connector		
MWLT150-1303-2	Class 2 with JST Connector		
MWLT150-1004	Class 1 with Screw Terminal	48V @ 2.08A	48V @ 3.13A
MWLT150-1004-2	Class 2 with Screw Terminal		
MWLT150-1304	Class 1 with JST Connector		
MWLT150-1304-2	Class 2 with JST Connector		
WLT100-CK	Metal cover-kit accessory		

EMC AND SAFETY SPECIFICATIONS

CE Mark	Complies with the LVD
EMC	EN5022-B, CISPR22-B, FCC Part 15 Class B, EN50082-1
Agency Approval	c-URUS, NEMKO, IEC
Harmonic Correction	EN61000-3-2 Class D
Safety Standard	EN60601-1-2
Isolation	5.9KVDC Input to Output 2.6KVDC Input to GND
Insulation Resistance	7mOhms Input to Output

INPUT SPECIFICATION

AC Input	Universal	90 to 264VAC
DC Input		120 to 390VDC (Reduce to half load at 120VDC Input)
Efficiency	All Models	≥86%
Input Frequency		47-63 Hz
Input Current	Full Load at Low line	2.0Arms , max
Inrush Current	230VAC, 115VAC	65A, 33A Max

OUTPUT SPECIFICATION

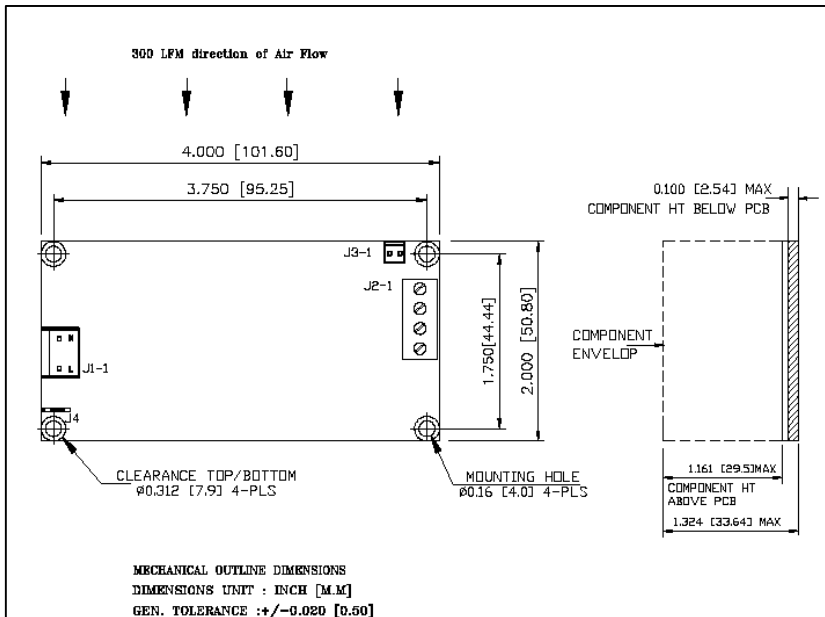
Output Power		150W max
Leakage Current	Normal condition	250uA
Hold-Up Time	115V/230V	6ms./10ms
Peak Power		170 Watts for 0.2 Sec's
Line Regulation	Low line to high line	± 0.5%
Load Regulation	Min to Max load	± 2%
Transient Response	50% to full load Voltage Deviation Recovery Time	10%, max <5 ms
OVP	Self Protecting	Hiccup
Overload Protection	Primary limited	> 110%
Short Circuit Protection	Auto recovery <6s	Short Term
Ripple and Noise	Up to 20% load Above 20% load	2% <1%
Output Rise Time	All outputs	<100ms

All EOS power supplies have UL, CSA and Nemko safety compliance and medical versions meet UL60601-1 standards. All our products are RoHs compliant. Visit us at www.eospower.com and contact us at: sales@eospower.com or by calling +1 805-409-0909 today. © 2008, EOS Power. EOS brand power supplies and patents are owned exclusively by EOS Power. All Rights Reserved.



MWLT150 Series

Medical 150 Watt 2 x 4 Inch AC/DC Power Supplies



MECHANICAL OUTLINE DIMENSIONS
DIMENSIONS UNIT : INCH [M.M.]
GEN. TOLERANCE : +/ - 0.020 [0.50]

ENVIRONMENTAL SPECIFICATION

Operating Temperature	-20° to 0° C, start up guaranteed	-20 to 70° C
	Reduce Linearly to 50% Load	51 To 70° C
Storage Temperature		-40 to 85° C
Cooling 5V model All Other models	80W / 100W 100W / 150W	Convection / 300LFM Airflow
Relative humidity	Non condensing	95%, max
MTBF	Bell Core TR332	> 200,000 hrs
Altitude		Operating: 10,000ft Non-Operating: 40,000ft
Vibration	Operating & Non Operating	5-9Hz, 2G PK, 0.5 Oct./min, 2 cycles; 9-500Hz 0.5 Oct./min, 2 cycles.
Transients		EN61000-4-2, 4-3, 4-4, 4-5, 4-6, 4-11 Level 3

Notes

1. Combined output power from V1 & V Fan should not exceed the total output power rating
2. Fan output voltage tolerance is +/- 20%
3. Peak Fan output is 1A

MECHANICAL SPECIFICATION

AC Input Connector J1	Molex 26-60-4030, 3 pin, 0.156" Mating Connector: Molex 09-50-3031 Pins: 08-50-0106 or Equivalent
Ground Connector	Molex 19705-4301 PCB Quick Disconnect Mating: Molex AA-1140
DC Output connector J2	Option-1: Tyco terminal block 1776112-4, 4 pin, Wire : 13 AWG, side entry Option-2: JST : B4P-VH-B-C (LF) (SN), 4 pin, 0.156" Mating Connector: VHR-4M Pins: SVH-41T-P1.1, 20-16 AWG
Size	4"x2"x1.324"
DC Output Connector J3	Molex 2 Position, 0.100 centre header. Part Number 22-23-2021 or Equivalent
Weight	5.3 Oz (150g)

INPUT CONNECTOR J1

Pin1	AC Line
Pin2	AC Neutral

INPUT SPADE CONNECTOR (CLASS-1 product only)

GND	AC Ground
-----	-----------

OUTPUT CONNECTOR J3

Pin1	V fan
Pin2	RTN

OUTPUT CONNECTOR J2

	Single Output
Pin1	V1
Pin2	V1
Pin3	RTN
Pin4	RTN

All EOS power supplies have UL, CSA and Nemko safety compliance and medical versions meet UL60601-1 standards. All our products are RoHS compliant. Visit us at www.eospower.com and contact us at: sales@eospower.com or by calling +1 805-409-0909 today. © 2008, EOS Power. EOS brand power supplies and patents are owned exclusively by EOS Power. All Rights Reserved.



MWLT200 Series

New Product



Medical 200 Watt 3 x 5 Inch AC/DC Power Supplies

The MWLT200-Series of Medical Open Frame Power Supplies are ideal for dental and laboratory products and systems. Endoscopes, Instruments, pumps, drips, medical monitors, defibrillators, sleep apnea devices and many other uses.

The MWLT200 is available as a Class 1 OR Class 2 product, has 88% efficiency, remote sense, over temperature protection and auxiliary voltage options as standard.



Features :

- > 200 W with Forced Air Cooling.
- > Small 3x5x1.5 inch form factor.
- > High efficiency > 88%.
- > 12V Fan O/P
- > 5V Standby O/P
- > O/P Voltage Adjustability
- > Remote Sense

Model Number	Description	Voltage/ Current	Voltage/ Current
		(Convection)	(Fan Cooled)
MWLT200-1000	Class 1 with Screw Terminal	5V @ 26A	5V @ 35A
MWLT200-1000-2	Class 2 with Screw Terminal		5V @ 26A
MWLT200-1300	Class 1 with JST Connector		
MWLT200-1300-2	Class 2 with JST Connector		
MWLT200-1001	Class 1 with Screw Terminal	12V @ 13.33A	12V @ 16.67A
MWLT200-1001-2	Class 2 with Screw Terminal		
MWLT200-1301	Class 1 with JST Connector		
MWLT200-1301-2	Class 2 with JST Connector		
MWLT200-1002	Class 1 with Screw Terminal	15V @ 10.66A	15V @ 13.33A
MWLT200-1002-2	Class 2 with Screw Terminal		
MWLT200-1302	Class 1 with JST Connector		
MWLT200-1302-2	Class 2 with JST Connector		
MWLT200-1003	Class 1 with Screw Terminal	24V @ 6.66A	24V @ 8.33A
MWLT200-1003-2	Class 2 with Screw Terminal		
MWLT200-1303	Class 1 with JST Connector		
MWLT200-1303-2	Class 2 with JST Connector		
MWLT200-1004	Class 1 with Screw Terminal	48V @ 3.33A	48V @ 4.17A
MWLT200-1004-2	Class 2 with Screw Terminal		
MWLT200-1304	Class 1 with JST Connector		
MWLT200-1304-2	Class 2 with JST Connector		
MWLT200-1005	Class 1 with Screw Terminal	30V @ 5.33A	30V @ 6.67A
MWLT200-1005-2	Class 2 with Screw Terminal		
MWLT200-1305	Class 1 with JST Connector		
MWLT200-1305-2	Class 2 with JST Connector		
WLT200-CK	Metal cover-kit accessory		

OUTPUT SPECIFICATION		
Output Power		200W max
Leakage Current	Typical Values	150 to 220uA
Hold-Up Time	115V/230V	10ms
Peak Power		250W
Line Regulation	Low line to high line	± 0.5%
Load Regulation	Min to Max load	± 2%
Transient Response	50% to full load Voltage Deviation Recovery Time	10%, max <5 ms
OVP	110 –150% of Main o/p Remote ON/OFF reset	Latch Type
Overload Protection	Primary limited	150% of I-Out Max
Short Circuit Protection	Auto recovery <6s	Short Term
Ripple and Noise	Vsby & Main o/p	<2%
Output Rise Time	All outputs	<100ms
Minimum Load	Main o/p Standby o/p	0.0A 0.05A
Power Fail Signal	TTL signal goes low	1ms warning
Power Good Signal	TTL signal goes High after V1 is in regulation	0.1s to 0.5s
Remote Sense	Line Compensation	200mV
Remote on/off	To turn-on PSU, Short Remote pin to GND	Yes
Over temperature Protection	Auto recovery	Yes
Output Adjustability	@ 160W	± 3%
Set point accuracy	Main o/p	Pre-set at ± 1%

INPUT SPECIFICATION		
AC Input DC Input	Universal	90 to 264VAC 120 to 390VDC (Reduce to half load at 120VDC Input)
Efficiency	5V Other Models	≥ 83% ≥ 86%
Input Frequency		47-63 Hz
Input Current	Full Load at Low line	3.0Arms , max
Inrush Current	230VAC , cold start	65A, max

All EOS power supplies have UL, CSA and Nemko safety compliance and medical versions meet UL60601-1 standards. All our products are RoHS compliant. Visit us at www.eospower.com and contact us at: sales@eospower.com or by calling +1 805-409-0909 today. © 2008, EOS Power. EOS brand power supplies and patents are owned exclusively by EOS Power. All Rights Reserved.



MWLT200 Series

Medical 200W Forced Air Cooled AC/DC Power Supplies



ENVIRONMENTAL SPECIFICATION

Operating Temperature	-20 to 0° C start-up guaranteed For Convection cooled application, Derate output power to 40% of max. from For Forced air cooled application, Derate output power to 50% of max from	-20 to 70° C 41 to 70° C 51 to 70° C
Storage Temperature		-40 to 85° C
Cooling	Convection @ 40° C (5V model) 300LFM Airflow @ 50° C (5V model)	160W (130W) 200W (175W)
Relative humidity	Non condensing	95%, max
MTBF	Belcore TR332	> 250,000 hrs Minimum
Altitude		Operating: 10,000ft Non-Operating: 40,000ft
Vibration	Operating & Non Operating	5-9Hz, 2G PK, 0.5 oct./min, 2 cycles; 9-500Hz 0.5 oct./min, 2 cycles.
Transients		EN61000-4-2, 4-4, 4-5, Level 3

EMC AND SAFETY SPECIFICATIONS

CE Mark	Complies with the LVD
EMC	EN5022-B, CISPR22-B, FCC Part 15 Class B, EN60601-1-2
Agency Approval	UL, c-UL, IEC, EN
Harmonic Correction	EN61000-3-2 Class D
Safety Standard	EN60601-1-2 Ed 3
Safety file number	E173812
Isolation	5.9KVDC Input to Output 2.6KVDC Input to GND
Insulation Resistance	7mOhms Input to Output

INPUT CONNECTOR J1

Pin 1	AC Neutral
Pin2	AC Line

OUTPUT CONNECTOR J2

Pin 1,2,3	RTN
Pin 4,5,6	V1

Earth J4

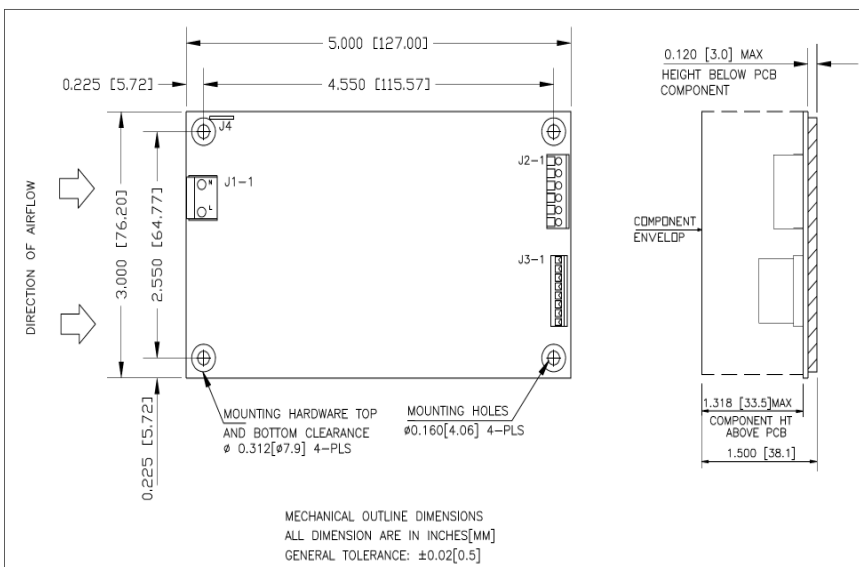
Quick Disconnect

SIGNAL CONNECTOR J3

Pin 1	+ve Remote Sense
Pin 2	Vfan (12V/0.5A)
Pin 3	-ve Remote Sense
Pin 4	Remote On/Off
Pin 5	Vstby (5V/1A, ± 5%)
Pin 6	RTN
Pin 7	Power Fail
Pin 8	Power Good

MECHANICAL SPECIFICATION

AC Input Connector J1	Molex 3 position, 0.156 center 26-60-4030 (Center Pin removed) Mating Connector: Molex 09-50-3031 Pins: 08-50-0106
Ground Connector	Molex 19705-4301 PCB Quick Disconnect Mating: Molex 190030001
DC Output Connector J2 (Screw type terminal)	Tyco, 2 x 3 Pin terminal block, 2-1776112-3, 3.96mm pitch Mating : Side entry wire 13AWG
DC Output Connector J2 (Header Connector)	CONN,HDR,6 PIN,0.156", PCB mount, JST p/n: B6P-VH-B-C (LF)(SN) Mating part no: Housing MPN : VHR-6M ,Housing ,6 pin, 0.156"Pitch Crimp/CONTACT PIN MPN : SVH-41T-P1.1
Signal Connector J3	Molex 8 Position, 0.1" Center, 22-23-2081 Vertical Mating : Molex, 22-01-2087, Pins : 08-50-0113
Size	3 x 5 x 1.5 Inches
Weight	325gms



All EOS power supplies have UL, CSA and Nemko safety compliance and medical versions meet UL60601-1 standards. All our products are RoHS compliant. Visit us at www.eospower.com and contact us at: sales@eospower.com or by calling +1 805-409-0909 today. © 2008, EOS Power. EOS brand power supplies and patents are owned exclusively by EOS Power. All Rights Reserved.



MVC65 Series

Single output 55W to 65W Medical AC/DC external adapters

M-Series medically certified adapters platforms are industry leaders for density, efficiency and low leakage current. Popular single DC outputs available with rich features and functionality standard.

Medical safety approvals including
IEC60601-1 medical safety certs.
Low leakage current, 12mm
Creepage and Clearance
EN55022-B, FCC Part 15 Level B
Noise. 90-264 universal AC input.

Applications includes:

- Medical Audio & Video systems, Endoscopy, IV Pumps and Drips
- Defibrillators, Medical Test Systems
- Nurse Call Stations
- Sleep Apnea ,Hospital Data Systems
- Laboratory Equipment
- Health Care Information Systems
- Dental Equipment
- Medical Research Equipment ,Touch Screen Displays



Features :

- > Medical safety approvals
- > Low leakage current
- > EN55022-B, CISPR22-B FCC Part 15 Level B Noise
- > 12mm Creepage and Clearance
- > Class 1 Product

Model Number	Case Type	Output Voltage	Output Current	Min. Load
MVC65NR12E	NR	12V	4.58A	0A
MVC65NR15E	NR	15V	3.67A	0A
MVC65NR19E	NR	19V	3.42A	0A
MVC65NR24E	NR	24V	2.7A	0A
MVC65NR48E	NR	48V	1.35A	0A

OUTPUT SPECIFICATIONS		
Output Power		55 to 65 W
Minimum Load		0.0A
Hold-Up Time		>10ms
Set Point Accuracy		±5%
Line Regulation	Low line to high line	± 0.5%
Load Regulation	Min to Full Load	± 5%
Transient Response	10% to full load Voltage Deviation Recovery Time	<5% <5 ms
Ripple and Noise		<2%
Output Rise Time	10% to 90% Load	<100ms
Turn-on Delay		<1s
OTP		NA
Overload Protection	Auto Recovery >3s	Yes
Short Circuit Protection	Auto Recovery >3s	Yes

INPUT SPECIFICATION		
AC Input	Universal	90 to 264V
Efficiency	Typical	80%
Input Frequency		47-63 Hz
Input Current	Full Load at low line	1.9 Arms
Inrush Current	High Line , cold start	Limited to safe value
Leakage Current		<250 µA

MVC65 Series

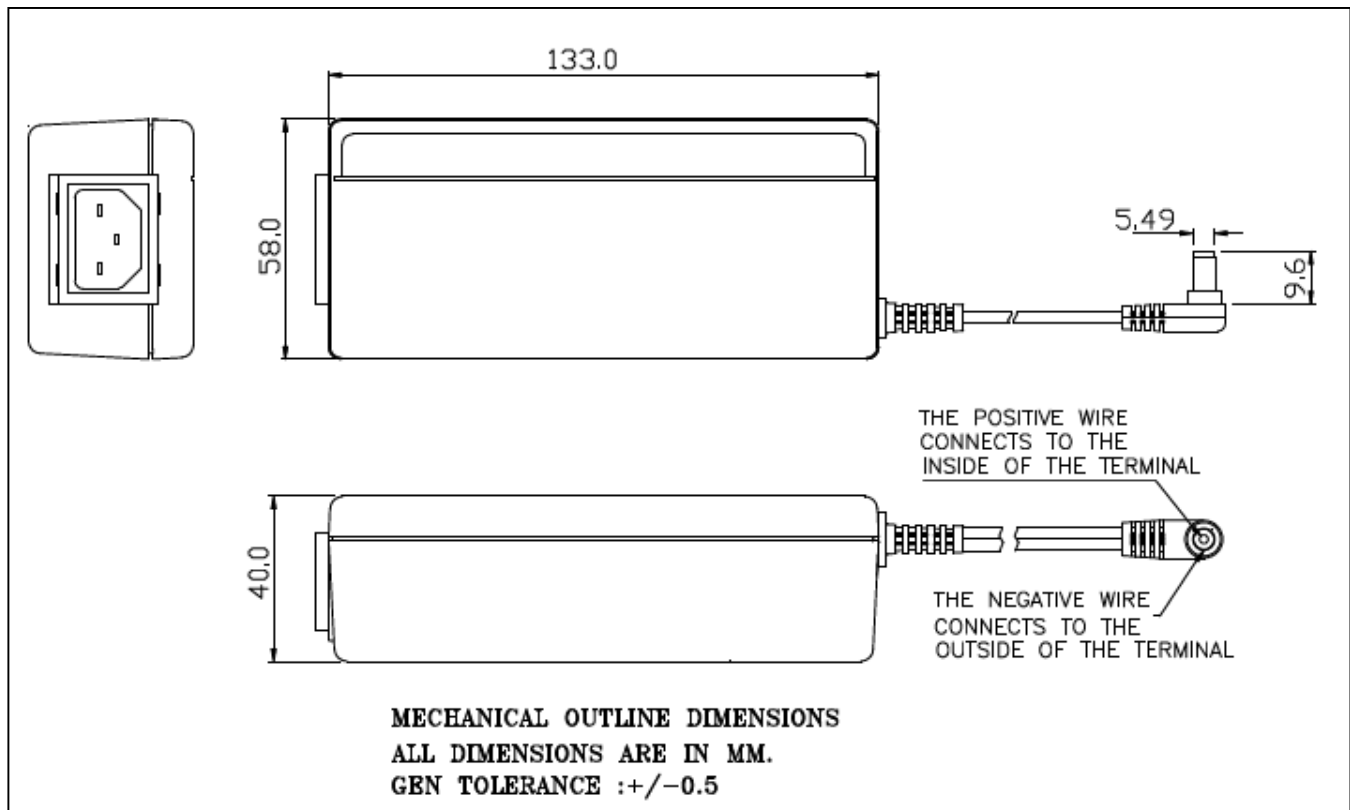
Single output 55W to 65W Medical AC/DC External Adapters



EMC AND SAFETY SPECIFICATIONS	
CE Mark	Complies with the Low Voltage and EMC Directives
EMC-Emissions	EN5022-B, CISPR22-B, FCC Part 15 Class B, EN50082-1 EN60601-1-2ND ED
EMC - Susceptibility	EN61000-4-3, -4, -5 Level 3
Agency Approvals	NEMKO, UL, c-UL(Recognized Comp)
Safety Standards	IEC60601-1, EN60601-1-1, UL60601-1, CSA C22.2 No 601 Class 1 SELV.
Safety file numbers	NEMKO:P0620674 UL: E173812-A6

MECHANICAL SPECIFICATIONS	
Input Connector	IEC60320 - C14
Output Connector	Right angle, hollow coax plug 0.10" (2.54mm) inside and 0.216" (5.49mm) outside diameter. Center positive polarity
Size	5.236 x 2.283 x 1.574" (133.0 X 58.0 X 40.0 mm)

ENVIRONMENTAL SPECIFICATION		
Operating Temperature		0 to 40° C
Storage Temperature		-40 to 85° CC
Cooling		Convection
Relative humidity	Non condensing	95%, max
MTBF	Bellcore, TR332	> 100,000 hrs
Weight		12oz (340g)



All EOS power supplies have UL, CSA and Nemko safety compliance and medical versions meet UL60601-1 standards. All our products are RoHs compliant. Visit us at www.eospower.com and contact us at: sales@eospower.com or by calling +1 805-409-0909 today. © 2008, EOS Power. EOS brand power supplies and patents are owned exclusively by EOS Power. All Rights Reserved.



ZVC180NP Series

New Product



Single output 120W to 180W AC/DC External Adapters

The High Power NP Series from EOS Power are ideal for portable computing, multimedia, industrial, networking and printing applications.

The new NP series of high power adapters are fully compliant with CEC and Energy Star IV requirements and provide their full output power without the need for fan cooling.

The NP series are also available with non-standard voltage outputs as an option.



Features :

- > Universal Input Desktop
- > Efficiency to 85% @ full load
- > Convection cooling
- > EN55022-B—Level B
- > Class 1 Product
- > CEC Compliant
- > Energy Star IV Compliant
- > 0 to 50°C Operating

Model Number	Output	Min Load	Max Load	Power
ZVC120NP12D	+12V	0.0A	10.00A	120W
ZVC150NP12D	+12V	0.0A	12.50A	150W
ZVC120NP15D	+15V	0.0A	8.00A	120W
ZVC150NP15D	+15V	0.0A	10.0A	150W
ZVC150NP19D	+19V	0.0A	7.89A	150W
ZVC150NP24D	+24V	0.0A	6.25A	150W
ZVC180NP24D	+24V	0.0A	7.5A	180W
ZVC150NP36D	+36V	0.0A	4.16A	150W
ZVC180NP36D	+36V	0.0A	5.0A	180W
ZVC150NP48D	+48V	0.0A	3.125A	150W
ZVC180NP48D	+48V	0.0A	3.75A	180W

INPUT SPECIFICATIONS		
AC Input	Universal	90 to 264V
Efficiency		85% Typical
Power Factor		0.95 @ 230VAC
Input Current		2.3A Max
Inrush Current		60A Max
Input Frequency		47—63Hz

MECHANICAL SPECIFICATIONS	
Input Connector	IEC320 C14
Output Connector,	4 pin power din (FMP02-4P)
Cable length / UL : 12V/15V/19V;24V/180W 24V /150W; 36V/48V	1200mm ± 30mm / UL1571 1200mm ± 30mm / UL1185
Cable gauge	12V/15V/19V;24V/180W : 14AWG 24V/150W; 36V : 16AWG 48V : 18AWG
Size	170.8mm x 84.85mm x 44.45 mm
Weight	1 kg

All EOS power supplies have UL, CSA and Nemko safety compliance and medical versions meet UL60601-1 standards. All our products are RoHs compliant. Visit us at www.eospower.com and contact us at: sales@eospower.com or by calling +1 805-409-0909 today. © 2008, EOS Power. EOS brand power supplies and patents are owned exclusively by EOS Power. All Rights Reserved.



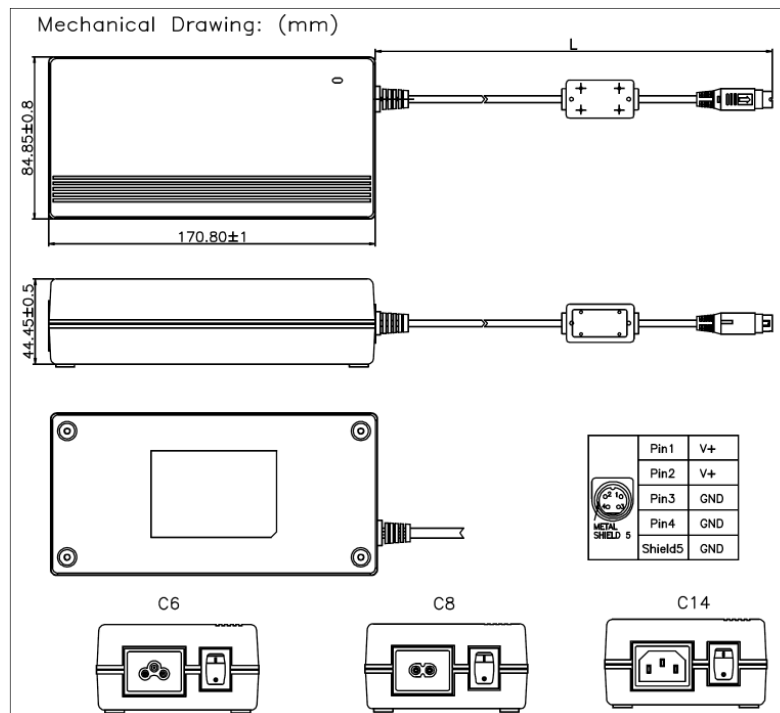
ZVC180NP Series

Single output 180 AC/DC External Adapters



EMC AND SAFETY SPECIFICATIONS		ENVIRONMENTAL SPECIFICATIONS	
CEC Mark	Complies model standby power (@ no load) < 0.5 W.	Operating Temperature	0°C to 50°C De-rate from 40°C @ 100% to 50°C @ 75% Load
EMC—Radiated/Conducted	EN55022,CISPR22, FCC Part 15 Class B	Storage Temperature	-20° to + 85° C
Agency Approvals	UL / TUV / EN60950—1 , CE, CB	Cooling	Convection
Safety Standards	UL,CE,CB , EN60950-1	Operating Humidity	20% to 90% RH
EMC—Environmental	EN61000-3-2,3 EN61000-4-2,3,4,5,6,8,11	MTBF	≥150,000 Hrs

OUTPUT SPECIFICATIONS		
Output Power		120W to 180W
Minimum Load		0.0A
Hold-Up Time		10ms @ 115VAC 10ms @ 230VAC
Line Regulation		± 3%
Load Regulation		± 3%
Transient Response		<5%
OCP,OVP, Over Power & Short Circuit		YES
Ripple and Noise	12,15 & 19v 24,36 & 48v	5% Max 3% Max
Output Rise Time		<10ms



All EOS power supplies have UL, CSA and Nemko safety compliance and medical versions meet UL60601-1 standards. All our products are RoHs compliant. Visit us at www.eospower.com and contact us at: sales@eospower.com or by calling +1 805-409-0909 today. © 2008, EOS Power. EOS brand power supplies and patents are owned exclusively by EOS Power. All Rights Reserved.



ZVC120SP Series

New Product



Single output 100W to 120W AC/DC External Adapters

The High Power SP Series from EOS Power are ideal for portable computing, multimedia, industrial, networking and printing applications.

The new SP series of high power adapters are fully compliant with CEC and Energy Star IV requirements and provide their full output power without the need for fan cooling.

The SP series are also available with non-standard voltage outputs as an option.



Features :

- > Universal Input Desktop
- > Efficiency to 85% @ full load
- > Convection cooling
- > EN55022-B—Level B
- > Class 1 Product
- > CEC Compliant
- > Energy Star IV Compliant
- > -10 to 70°C Operating

Model Number	Output	Min Load	Max Load	Power
ZVC120SP12D	+12V	0.0A	8.30A	100W
ZVC120SP15D	+15V	0.0A	8.00A	120W
ZVC120SP18D	+18V	0.0A	6.66A	120W
ZVC120SP24D	+24V	0.0A	5.0A	120W
ZVC120SP36D	+36V	0.0A	3.33A	120W
ZVC120SP48D	+48V	0.0A	2.5A	120W

INPUT SPECIFICATIONS		
AC Input	Universal	90 to 264V
Efficiency		85% Typical
Power Factor		0.95 @ 230VAC
Input Current		2.3A Max
Inrush Current		60A Max
Input Frequency		47—63Hz

MECHANICAL SPECIFICATIONS	
Input Connector	IEC320 C14
Output Connector	4 pin power din (FMP02-4P)
Cable length / UL : 12V/15V Cable length / UL : 18V/24V/36V/48V	1200mm ± 30mm / UL1571 1200mm ± 30mm / UL1185
Cable gauge	12V/15V : 14AWG 18V/24V : 16AWG 36V/48V : 18AWG
Size	175mm x 60.5mm x 38.3 mm
Weight	650 g

All EOS power supplies have UL, CSA and Nemko safety compliance and medical versions meet UL60601-1 standards. All our products are RoHS compliant. Visit us at www.eospower.com and contact us at: sales@eospower.com or by calling +1 805-409-0909 today. © 2008, EOS Power. EOS brand power supplies and patents are owned exclusively by EOS Power. All Rights Reserved.



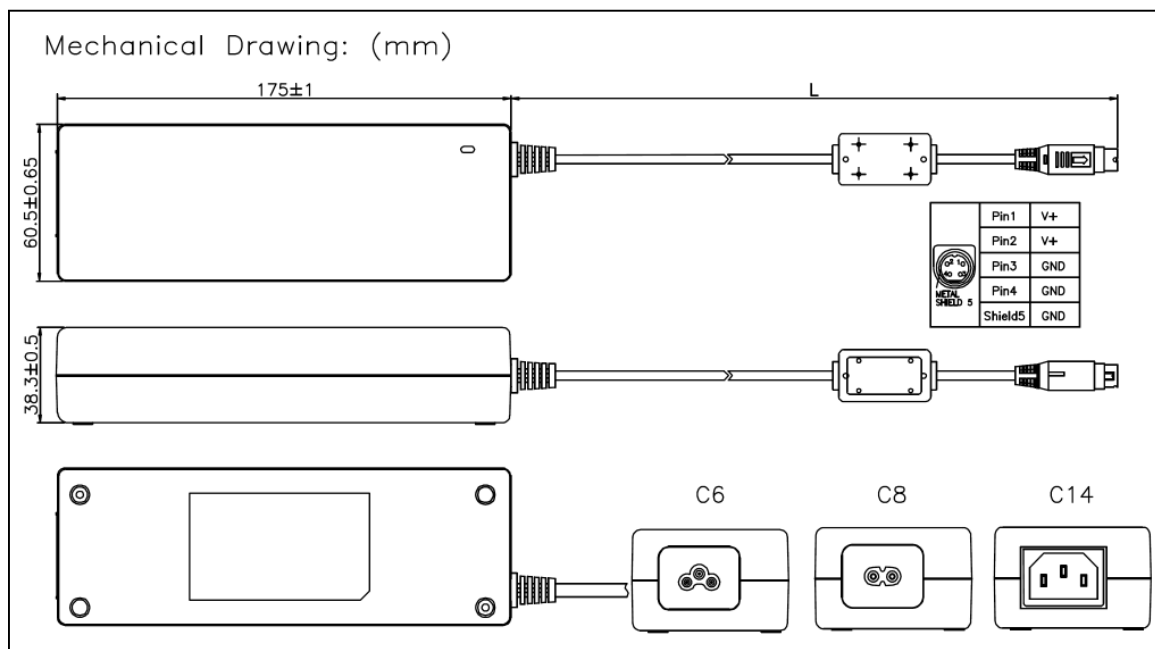
ZVC120SP Series

Single output 100 TO 120 Watt AC/DC External Adapters



EMC AND SAFETY SPECIFICATIONS		ENVIRONMENTAL SPECIFICATIONS	
CEC Mark	Complies model standby power (@ no load) < 0.5 W.	Operating Temperature	-10°C to 70°C De-rate from 40°C @ 100% to 70°C @ 50% Load
EMC—Radiated/Conducted	EN55022,CISPR22, FCC Part 15 Class B	Storage Temperature	-20° to + 85° C
Agency Approvals	UL / TUV / EN60950—1 , CE, CB	Cooling	Convection
Safety Standards	UL,CE,CB , EN60950-1	Operating Humidity	20% to 90% RH
EMC—Environmental	EN61000-3-2,3 EN61000-4-2,3,4,5,6,8,11	MTBF	≥150,000 Hrs

OUTPUT SPECIFICATIONS		
Output Power		120W
Minimum Load		0.0A
Hold-Up Time		10ms @ 115VAC 30ms @ 230vac
Line Regulation		± 3%
Load Regulation		± 3%
Transient Response		<5%
OCP,OVP, Over Power & Short Circuit		YES
Ripple and Noise	12,15 & 19v	5% Max
	24,36 & 48v	3% Max
Output Rise Time		<10ms



All EOS power supplies have UL, CSA and Nemko safety compliance and medical versions meet UL60601-1 standards. All our products are RoHs compliant. Visit us at www.eospower.com and contact us at: sales@eospower.com or by calling +1 805-409-0909 today. © 2008, EOS Power. EOS brand power supplies and patents are owned exclusively by EOS Power. All Rights Reserved.



ZVC72NP Series

New Product



Single output 65W to 72W AC/DC External Adapters

The New 65 and 72Watt NP Series from EOS Power are ideal for portable computing, multimedia, industrial, networking and printing applications.

The new NP series of power adapters are fully compliant with CEC and Energy Star IV requirements and provide their full output power without the need for fan cooling.

The NP series are also available with non-standard voltage outputs as an option.



Features :

- > Universal Input
- > Desktop Style
- > Efficiency to 85%
- > Convection cooled
- > EN55022-B—Level B
- > Class 1 Product
- > CEC Compliant
- > Energy Star IV Compliant
- > 0 to 50°C Operating

Model Number	Output	I Min	I Max	Power
ZVC65NP19E4	+19V	0.0A	3.42A	65W
ZVC65NP19E8	+19V	0.0A	3.42A	65W
ZVC65NP24E4	+24V	0.0A	2.7A	65W
ZVC65NP24E8	+24V	0.0A	2.7A	65W
ZVC72NP36E4	+36V	0.0A	2.0A	72W
ZVC72NP36E8	+36V	0.0A	2.0A	72W
ZVC72NP48E4	+48V	0.0A	1.5A	72W
ZVC72NP48E8	+48V	0.0A	1.5A	72W

INPUT SPECIFICATIONS		
AC Input	Universal	90 to 264V
Efficiency	Typical	85%
Input Frequency		47—63Hz
Input Current		1.8A Max
Inrush Current	Max	30A @ 115vac 60A @ 230VAC

MECHANICAL SPECIFICATIONS	
Input Connector	IEC320—C14 OR C8
Output Connector	Rt angle Jack Connector ID : 2.54, OD : 5.54 & L : 9.5
Cable length / UL	1200mm ± 30mm / UL1185
Cable gauge	19V/24V : 18AWG 36V/48V : 18AWG
Size	110.5mm x 53.0mm x 30.5mm with C8 117.0mm x 53.0mm x 31.5mm with C14
Weight	250g

ENVIRONMENTAL SPECIFICATIONS	
Operating Temperature	0° C to +50° C De-Rate from 40° C @ 100% to 50°C @ 75% Load
Storage Temperature	-20° to + 85° C
Cooling	Convection
Relative humidity	20% to 90% RH
MTBF	≥150,000Hrs

All EOS power supplies have UL, CSA and Nemko safety compliance and medical versions meet UL60601-1 standards. All our products are RoHs compliant. Visit us at www.eospower.com and contact us at: sales@eospower.com or by calling +1 805-409-0909 today. © 2008, EOS Power. EOS brand power supplies and patents are owned exclusively by EOS Power. All Rights Reserved.



ZVC72NP Series

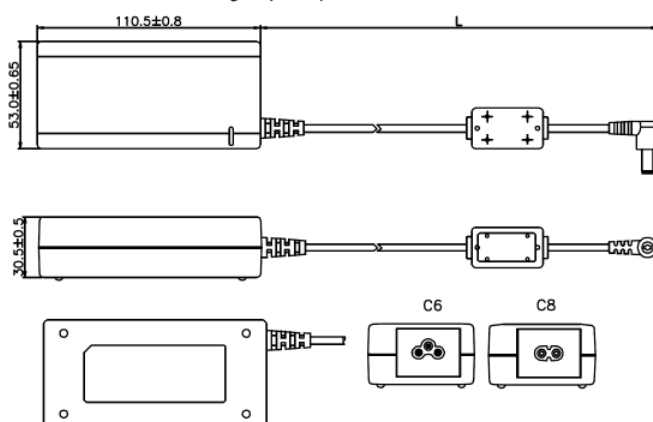
Single output 65W to 72W AC/DC External Adapters



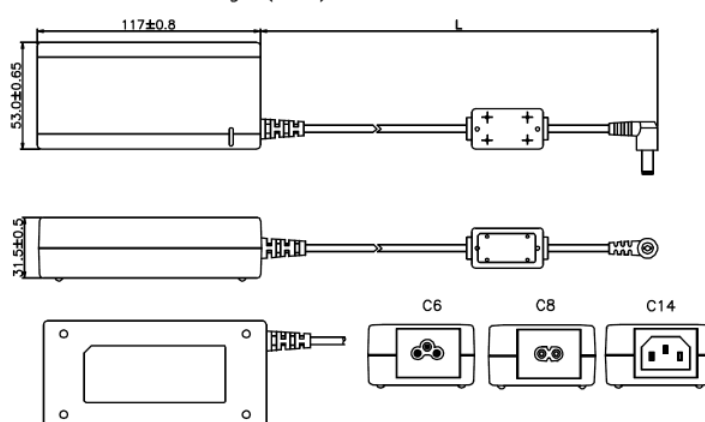
EMC AND SAFETY SPECIFICATIONS	
CEC Mark	Complies with standby power (@ no load) < 0.5 W.
EMC—Radiated/Conducted	EN55022,CISPR22, FCC Part 15 Class B
Agency Approvals	UL / TUV / EN60950—1 , CE, CB
Safety Standards	UL,CE,CB , EN60950-1
EMC—Environmental	EN61000-3-2,3 EN61000-4-2,3,4,5,6,8,11

OUTPUT SPECIFICATIONS		
Output Power		72W
Minimum Load		0.0A
Hold-Up Time		10ms @ 230VAC 5MS @ 115VAC
Line Regulation		± 2% Max
Load Regulation		± 5% Max
Transient Response		<5%
OCP		Auto Recovery
Overload Protection		Auto Recovery
SC Protection		Short Term
Ripple and Noise		2% P-P Max
Output Rise Time		<10ms

Mechanical Drawing: (mm)



Mechanical Drawing: (mm)



All EOS power supplies have UL, CSA and Nemko safety compliance and medical versions meet UL60601-1 standards. All our products are RoHs compliant. Visit us at www.eospower.com and contact us at: sales@eospower.com or by calling +1 805-409-0909 today. © 2008, EOS Power. EOS brand power supplies and patents are owned exclusively by EOS Power. All Rights Reserved.



ZVC60NP Series

New Product



Single output 60 AC/DC External Adapters

The New 60 Watt NP Series from EOS Power are ideal for portable computing, multimedia, industrial, networking and printing applications.

The new NP series of power adapters are fully compliant with CEC and Energy Star IV requirements and provide their full output power without the need for fan cooling.

The NP series are also available with non-standard voltage outputs as an option.



Features :

- > Universal Input
- > Desktop Style
- > Efficiency to 85%
- > Convection cooled
- > EN55022-B—Level B
- > Class 1 Product
- > CEC Compliant
- > Energy Star IV Compliant
- > 0 to 50°C Operating

Model Number	Output	I Min	I Max	Power
ZVC60NP12E4	+12V	0.0A	5.0A	60W
ZVC60NP12E8	+12V	0.0A	5.0A	60W
ZVC60NP15E4	+15V	0.0A	4.0A	60W
ZVC60NP15E8	+15V	0.0A	4.0A	60W
ZVC60NP19E4	+19V	0.0A	3.15A	60W
ZVC60NP19E8	+19V	0.0A	3.15A	60W
ZVC60NP24E4	+24V	0.0A	2.5A	60W
ZVC60NP24E8	+24V	0.0A	2.5A	60W
ZVC60NP36E4	+36V	0.0A	1.66A	60W
ZVC60NP36E8	+36V	0.0A	1.66A	60W
ZVC60NP48E4	+48V	0.0A	1.25A	60W
ZVC60NP48E8	+48V	0.0A	1.25A	60W

INPUT SPECIFICATIONS		
AC Input	Universal	90 to 264V
Efficiency	Typical	85%
Input Frequency		47—63Hz
Input Current		2.3A Max
Inrush Current	Max	30A @ 115vac 60A @ 230VAC

MECHANICAL SPECIFICATIONS	
Input Connector	IEC320—C14 OR C8
Output Connector	Rt angle Jack Connector ID : 2.54, OD : 5.54 & L : 9.5
Cable length / UL	1200mm ± 30mm / UL1185
Cable gauge	12V/15V/19V/24V : 18AWG 36V/48V : 20AWG
Size	110.5mm x 53.0mm x 30.5mm with C6,C8 117.0mm x 53.0mm x 31.5mm with C14
Weight	250g

All EOS power supplies have UL, CSA and Nemko safety compliance and medical versions meet UL60601-1 standards. All our products are RoHs compliant. Visit us at www.eospower.com and contact us at: sales@eospower.com or by calling +1 805-409-0909 today. © 2008, EOS Power. EOS brand power supplies and patents are owned exclusively by EOS Power. All Rights Reserved.



ZVC60NP Series

Single output 60 AC/DC External Adapters



ENVIRONMENTAL SPECIFICATIONS

Operating Temperature	0° C to + 50° C De-Rate from 40° C @ 100% to 50° @ 75% load.
Storage Temperature	-20° to + 85° C
Cooling	Convection
Relative humidity	20% to 90% RH
MTBF	≥150,000Hrs

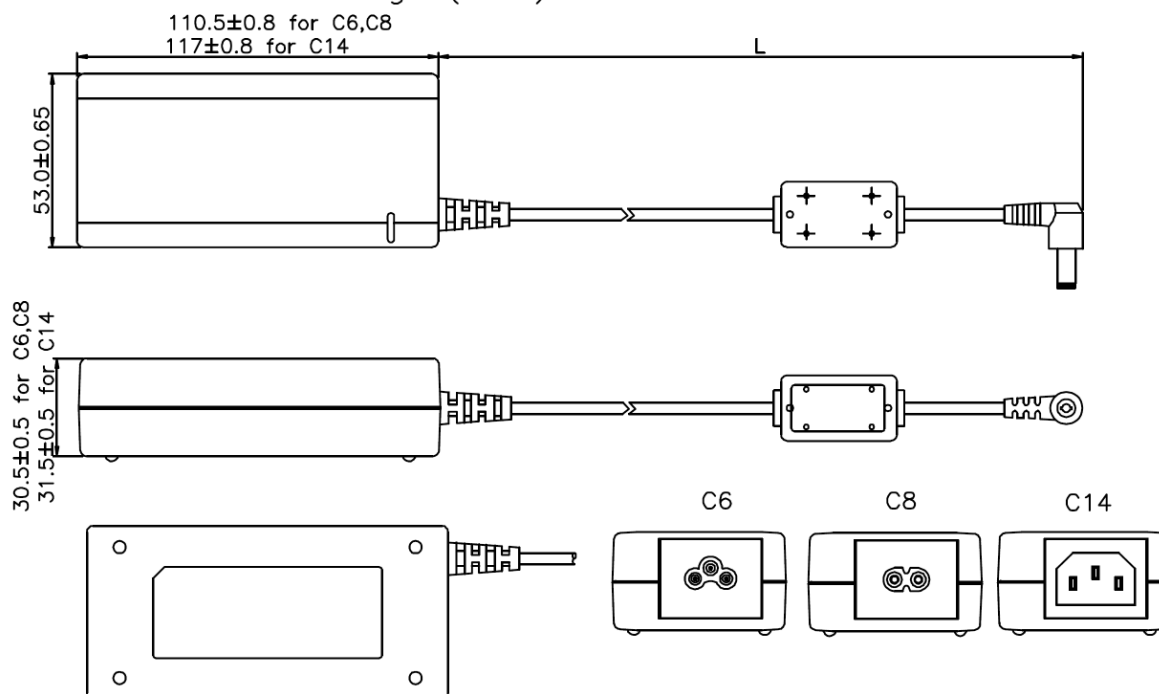
EMC AND SAFETY SPECIFICATIONS

CEC Mark	Complies with standby power (@ no load) < 0.5 W.
EMC—Radiated/ Conducted	EN55022,CISPR22, FCC Part 15 Class B
Agency Approvals	UL / TUV / EN60950—1 , CE, CB
Safety Standards	UL,CE,CB , EN60950-1
EMC—Environmental	EN61000-3-2,3 EN61000-4-2,3,4,5,6,8,11

OUTPUT SPECIFICATIONS

Output Power	60W
Minimum Load	0.0A
Hold-Up Time	30ms @ 230VAC 10ms @ 115VAC
Line Regulation	± 2% Max
Load Regulation	± 5% Max
Transient Response	<5%
OCP	Auto Recovery
Overload Protection	Auto Recovery
SC Protection	Short Term
Ripple and Noise	2% P-P Max
Output Rise Time	<10ms

Mechanical Drawing: (mm)



All EOS power supplies have UL, CSA and Nemko safety compliance and medical versions meet UL60601-1 standards. All our products are RoHs compliant. Visit us at www.eospower.com and contact us at: sales@eospower.com or by calling +1 805-409-0909 today. © 2008, EOS Power. EOS brand power supplies and patents are owned exclusively by EOS Power. All Rights Reserved.



ZVC36NP Series

New Product



Single output 36 AC/DC External Adapters

The New 36Watt NP Series from EOS Power are ideal for portable computing, multimedia, industrial, networking and printing applications.

The new NP series of power adapters are fully compliant with CEC and Energy Star IV requirements and provide their full output power without the need for fan cooling.

The NP series are also available with non-standard voltage outputs as an option.



Features :

- > Universal Input
- > Desktop Style
- > Efficiency to 80%
- > Convection cooled
- > EN55022-B—Level B
- > Class 1 Product
- > CEC Compliant
- > Energy Star IV Compliant
- > 0 to 50°C Operating

Model Number	Output	I Min	I Max	Power
ZVC36NP12E4	+12V	0.0A	3.0A	36W
ZVC36NP12E8	+12V	0.0A	3.0A	36W
ZVC36NP15E4	+15V	0.0A	2.4A	36W
ZVC36NP15E8	+15V	0.0A	2.4A	36W
ZVC36NP19E4	+19V	0.0A	1.89A	36W
ZVC36NP19E8	+19V	0.0A	1.89A	36W
ZVC36NP24E4	+24V	0.0A	1.5A	36W
ZVC36NP24E8	+24V	0.0A	1.5A	36W
ZVC36NP48E4	+48V	0.0A	0.75A	36W
ZVC36NP48E8	+48V	0.0A	0.75A	36W

INPUT SPECIFICATIONS		
AC Input	Universal	90 to 264V
Efficiency	Typical	80%
Input Frequency		47—63Hz
Input Current		1.0A Max
Inrush Current	Max	30A @ 115vac 60A @ 230VAC

MECHANICAL SPECIFICATIONS	
Input Connector	IEC320—C14 OR C8
Output Connector	Rt angle Jack Connector ID : 2.54, OD : 5.54 & L : 9.5
Cable length / UL	1200mm ± 30mm / UL1185
Cable gauge	12V/15V/19V : 18AWG 24V/48V : 20AWG
Size	117.0mm x 53.0mm x 31.5mm
Weight	250g

All EOS power supplies have UL, CSA and Nemko safety compliance and medical versions meet UL60601-1 standards. All our products are RoHs compliant. Visit us at www.eospower.com and contact us at: sales@eospower.com or by calling +1 805-409-0909 today. © 2008, EOS Power. EOS brand power supplies and patents are owned exclusively by EOS Power. All Rights Reserved.



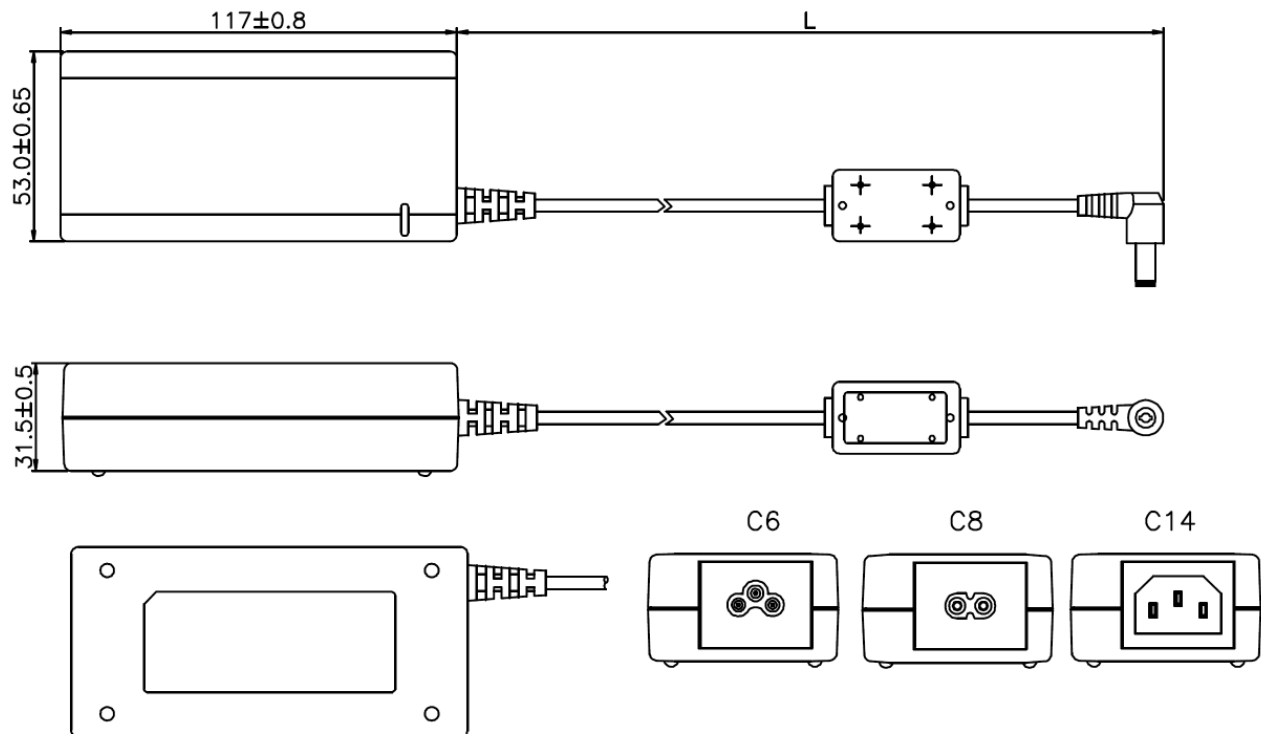
ZVC36NP Series



Single output 36 AC/DC External Adapters

ENVIRONMENTAL SPECIFICATIONS		OUTPUT SPECIFICATIONS	
Operating Temperature	0° C to +50° C De-Rate from 40° C @ 100% to 50° @ 75% load.	Output Power	36W
Storage Temperature	-20° to + 85° C	Minimum Load	0.0A
Cooling	Convection	Hold-Up Time	30ms @ 230VAC 10ms @ 115VAC
Relative humidity	20% to 90% RH	Line Regulation	± 2% Max
MTBF	≥100,000Hrs	Load Regulation	± 5% Max
EMC AND SAFETY SPECIFICATIONS		Transient Response	<5%
CEC Mark	Complies with standby power (@ no load) < 0.5 W.	OCP	Auto Recovery
EMC—Radiated/ Conducted	EN55022,CISPR22, FCC Part 15 Class B	Overload Protection	Auto Recovery
Agency Approvals	UL / EN60950—1 , CE, CB	SC Protection	Short Term
Safety Standards	UL,CE,CB , EN60950-1	Ripple and Noise	2% P-P Max
EMC—Environmental	EN61000-3-2,3 EN61000-4-2,3,4,5,6,8,11	Output Rise Time	<10ms

Mechanical Drawing: (mm)



All EOS power supplies have UL, CSA and Nemko safety compliance and medical versions meet UL60601-1 standards. All our products are RoHs compliant. Visit us at www.eospower.com and contact us at: sales@eospower.com or by calling +1 805-409-0909 today. © 2008, EOS Power. EOS brand power supplies and patents are owned exclusively by EOS Power. All Rights Reserved.



ZVC30NP Series

New Product

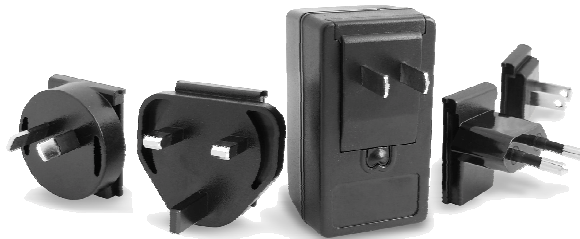
Single output 30W AC/DC Wall Plug Adapters



The New 30Watt NP Series from EOS Power are ideal for portable computing, multimedia, industrial, networking, printing and battery charging applications.

The new NP series of power adapters are fully compliant with CEC and Energy Star IV requirements and provide their full output power without the need for fan cooling.

The NP series have an Inter-Changeable connector pack allowing you to use the NP Series Globally.



Features :

- > Universal Input
- > Constant Current Option
- > Desktop Style
- > Efficiency to 80%
- > Convection cooled
- > EN55022-B—Level B
- > CEC Compliant
- > Energy Star IV Compliant
- > -10°C to 40°C Operating
- > O/P's from 11V thru 50V

Model Number	Output	I Min	I Max	Power
ZVC30NP12-I	+12V	0.0A	2.5A	30W
ZVC30NP15-I	+15V	0.0A	2.0A	30W
ZVC30NP18-I	+18V	0.0A	1.67A	30W
ZVC30NP24-I	+24V	0.0A	1.25A	30W
ZVC30NP30-I	+30V	0.0A	1.0A	30W
ZVC30NP36-I	+36V	0.0A	0.833A	30W
ZVC30NP48-I	+48V	0.0A	0.625A	30W

INPUT SPECIFICATIONS		
AC Input	Universal	90 to 264V
Efficiency	Typical	80%
Input Frequency		47—63Hz
Input Current		0.7A Max
Inrush Current	Max	40A @ 115vac 80A @ 230VAC

MECHANICAL SPECIFICATIONS	
Input Connector	Full Set (I suffix)
Output Connector	Rt angle Jack Connector ID : 2.54, OD : 5.54 & L : 9.5
Cable length / UL	1524mm ± 30mm / UL2468
Cable gauge	12V/15V/18V/24V : 20AWG 30V/36V/48V : 22AWG
Size	82.0mm x 43.5mm x 35.7mm
Weight	250g

All EOS power supplies have UL, CSA and Nemko safety compliance and medical versions meet UL60601-1 standards. All our products are RoHs compliant. Visit us at www.eospower.com and contact us at: sales@eospower.com or by calling +1 805-409-0909 today. © 2008, EOS Power. EOS brand power supplies and patents are owned exclusively by EOS Power. All Rights Reserved.



ZVC30NP Series

Single output 30W AC/DC Wall Plug Adapters

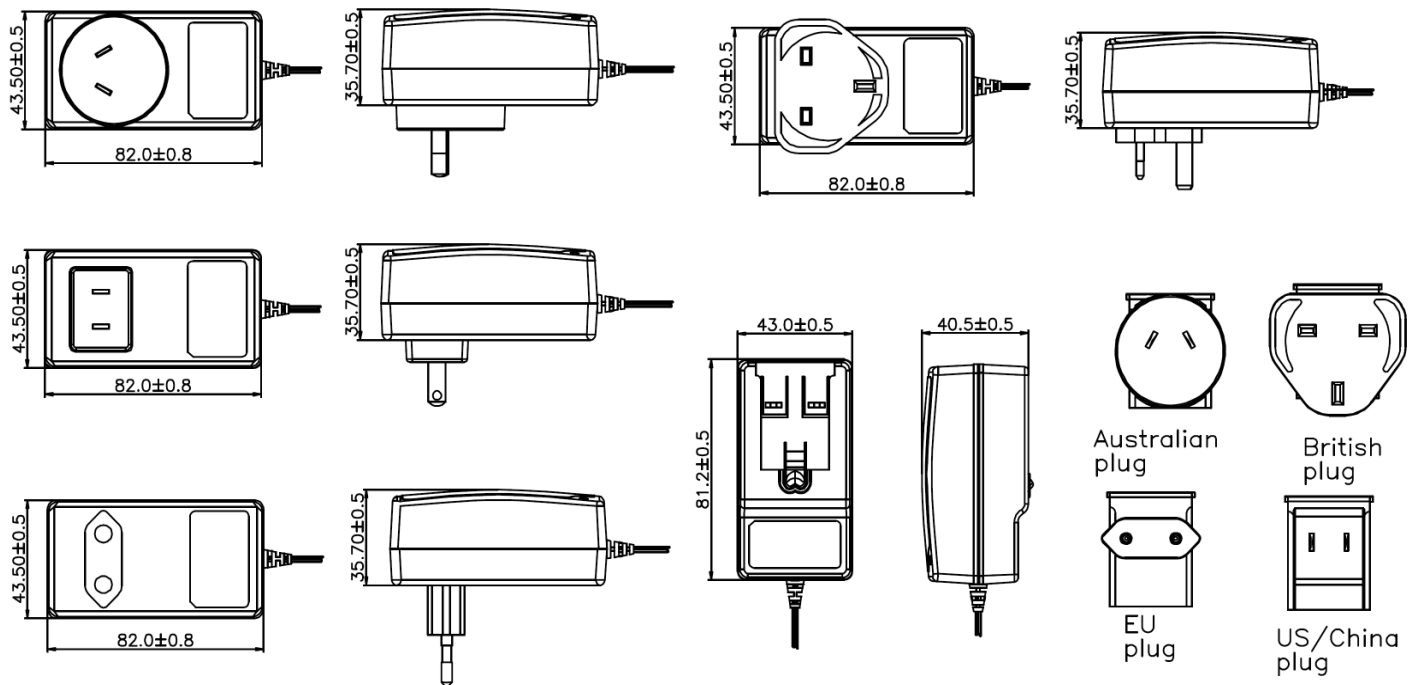


ENVIRONMENTAL SPECIFICATIONS	
Operating Temperature	-10° C to +40° C De-Rate from 30° C @100% to 75% load @ 40 ° C.
Storage Temperature	-20° to + 85° C
Cooling	Convection
Relative humidity	20% to 90% RH
MTBF	≥100,000Hrs

EMC AND SAFETY SPECIFICATIONS	
CEC Mark	Complies with standby power (@ no load) < 0.3 W.
EMC—Radiated/ Conducted	EN55022,CISPR22, FCC Part 15 Class B
Agency Approvals	UL / TUV / EN60950—1 , CE, CB
Safety Standards	UL,CE,CB , EN60950-1
EMC—Environmental	EN61000-3-2,3 EN61000-4-2,3,4,5,6,8,11

OUTPUT SPECIFICATIONS		
Output Power		30W
Minimum Load		0.0A
Hold-Up Time		30ms @ 230VAC 10MS @ 115VAC
Line Regulation		+/-2% Max
Load Regulation		+/- 5% Max
Transient Response		<5%
OCP		Auto Recovery
Overload Protection		Auto Recovery
SC Protection		Short Term
Ripple and Noise		2% P-P Max
Output Rise Time		<10ms

Mechanical Drawing: (mm)



A full set of connectors is delivered with each product order. If a specific connector is required then add a U,A,E or B to the I suffix on your order.

All EOS power supplies have UL, CSA and Nemko safety compliance and medical versions meet UL60601-1 standards. All our products are RoHS compliant. Visit us at www.eospower.com and contact us at: sales@eospower.com or by calling +1 805-409-0909 today. © 2008, EOS Power. EOS brand power supplies and patents are owned exclusively by EOS Power. All Rights Reserved.



ZVC90 Series

Single output 80W to 90W AC/DC External Adapters

Industry leading low profile, high efficiency 90 watt external adapter. The EOS ZVC90 "Power Z model" adapters offer 90 watts of DC power and are available in popular voltage outputs at 12V to 48V.

Applications include low power LAN/WAN routers, hubs and switches, industrial products, computing equipment, multimedia gear and many general electronics systems. These small package, big power adapters provide greater than 92% efficiency converting AC power to DC. The low profile Power Z measures a compact 5.236" x 2.284" x 1.152" or 6 watts per cu. in. and weighs under 12 ounces. The ZVC90 Power Z adapters feature universal AC input from 90v to 264v, operating temperature of 0 to 40 degrees C at full load and have world-wide safety and agency certifications and are RoHs compliant. Our factory is ISO140001 environmentally approved.



Features :

- > 12V at 6.6A and 15V at 5.3A models
- > Efficiency to 92%
- > Universal input
- > EN55022-B, FCC Part 15 Level B Noise safety approvals
- > Class 2 Product

Model Number	Case Type	Output Voltage	Output Current	Peak Current
ZVC90NS12E	NS	12V	6.66A	7.5A
ZVC90NS15E	NS	15V	5.33A	6.0A
ZVC90NS19E	NS	19V	4.7A	5.0A
ZVC90NS24E	NS	24V	3.75A	3.75A
ZVC90NS48E	NS	48V	1.87A	1.87A

INPUT SPECIFICATIONS		
AC Input	Universal	90 to 264V
Efficiency		92%
Input Frequency		47-63 Hz
Input Current	Full Load at low line	1.3Arms, max
Inrush Current	High Line , cold start	Limited to safe value
Leakage Current		<100 μ A
Harmonic Currents	EN61000-3-2	Class A & D

OUTPUT SPECIFICATIONS		
Output Power		80 to 90W
Minimum Load		0.0A
Hold-Up Time		3ms
Set Point Accuracy		\pm 5%
Line Regulation	Low line to high line	\pm 0.5%
Load Regulation	Min to Full Load	\pm 5%
Transient Response	50% to full load Voltage Deviation Recovery Time	<3% <5ms
Ripple and Noise	Peak to Peak	<1.5%
Output Rise Time	10% to 90% Load	<50ms
Turn-on Delay		<2s
Overshoot		<10%
OVP		Yes
Overload Protection	Output load	Yes, 110-150%
Short Circuit Protection	Auto Recovery >10s	<0.5A

All EOS power supplies have UL, CSA and Nemko safety compliance and medical versions meet UL60601-1 standards. All our products are RoHs compliant. Visit us at www.eospower.com and contact us at: sales@eospower.com or by calling +1 805-409-0909 today. © 2008, EOS Power. EOS brand power supplies and patents are owned exclusively by EOS Power. All Rights Reserved.



ZVC90 Series

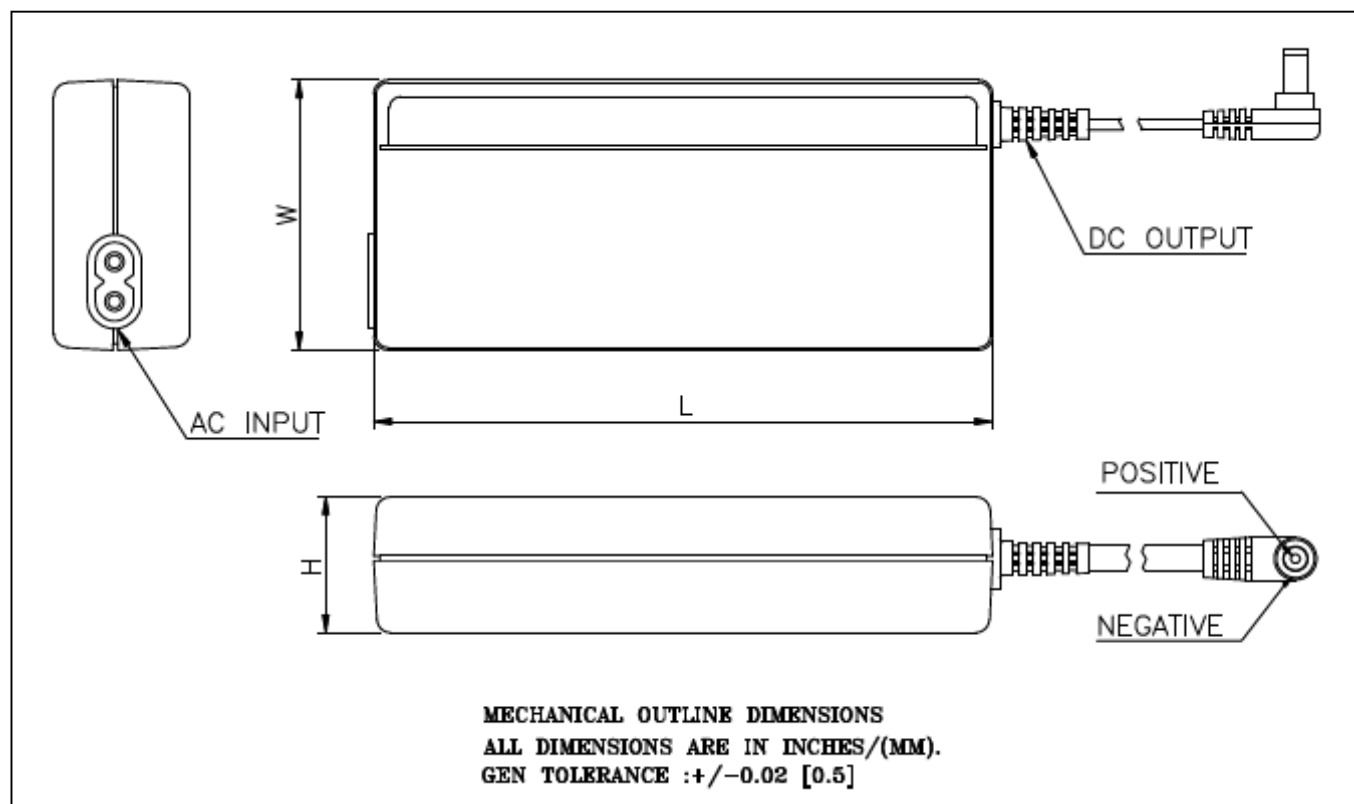
Single output 80W to 90W AC/DC External Adapters



MECHANICAL SPECIFICATIONS	
Input Connector	IEC320 C8
Output Connector	Right angle, hollow coax plug 0.10" (2.54mm) inside and 0.216" (5.49mm) outside diameter. Center positive polarity
Size	5.236 x 2.284 x 1.152" (133.0 x 58.0 x 29.2 mm)
Weight	10 oz (300g)

ENVIRONMENTAL SPECIFICATIONS		
Operating Temperature	Full load Derate power by 25%	0 to 50° C 35 to 50° C
Storage Temperature		-40 to 50° C
Cooling		Convection
Relative humidity	Non condensing	95%, max
MTBF	Bellcore TR-332	> 100,000 hrs

EMC AND SAFETY SPECIFICATIONS	
CE Mark	Complies with LVD and EMC Directives
EMC-Emissions	EN5022-B, CISPR22-B, FCC Part 15 Class B, EN50082-1
EMC - Susceptibility	EN61000-4-2(level 3), -4(level 2), -5 (level 2)
Agency Approvals	VDE, NEMKO, STQC, SASA, SABS, CCC, EK, GOST, SAI, UL, c-UL
Safety Standards	IEC60950, CSA C22.2 No. 60950, EN60950, UL60950 Class 2 SELV
Safety file numbers	NEMKO: P05205056 UL : E136019



All EOS power supplies have UL, CSA and Nemko safety compliance and medical versions meet UL60601-1 standards. All our products are RoHs compliant. Visit us at www.eospower.com and contact us at: sales@eospower.com or by calling +1 805-409-0909 today. © 2008, EOS Power. EOS brand power supplies and patents are owned exclusively by EOS Power. All Rights Reserved.



ZVC65 Series

Single output 25W to 65W AC/DC External Adapters

The EOS ZVC65 "Mini Z model" adapters range in power from 25 watts to 65 watts and are available in popular voltage outputs from 5 volts to 24 volts.

With millions in operation worldwide with leading product brands applications include low power LAN/WAN routers, hubs and switches, industrial products, computing equipment, multimedia gear and many general electronics applications. These small package, big power adapters provide greater than 88% efficiency converting AC power to DC. The slim line *Mini Z* measures a compact 4.220"x 1.724" x 1.182" case packing 8 watts per cu. in. and weighs under 10 ounces. The ZVC65 *Mini Z* adapters feature auto ranging AC input from 90v to 264v, operating temperature of 0 to 40 degrees C and have worldwide safety and agency certifications and are RoHs compliant. Our factory also is ISO140001 environmentally approved.



Features :

- > High power density to 8w/in³
- > Efficiency to 90%
- > Smallest 65W adapter
- > EN55022-B, FCC Part 15 Level B Noise
- > Class 2 safety approvals

Model Number	Case Type	Voltage/Current	Min Current Limit Point	Peak Power
ZVC25SG05E	SG	5V@5.00A	6.30A	30W
ZVC45SG12E	SG	12V@3.75A	4.50A	50W
ZVC55SG15E	SG	15V@3.66A	4.60A	60W
ZVC65SG19E	SG	19V@3.15A	3.63A	65W
ZVC65SG24E	SG	24V@2.70A	2.91A	65W
ZVC65SG48E	SG	48V@1.35A	1.5A	65W

INPUT SPECIFICATIONS		
AC Input	Auto-ranging	90 to 264V 180 to 264V
Efficiency	5V Model Other Models	77% >88%
Input Frequency		47-63 Hz
Input Current	Full Load at low line	1.5Arms, max
Inrush Current	High Line , cold start	60A, Max
Leakage Current		<250 μ A

OUTPUT SPECIFICATIONS		
Output Power		25 to 65W
Minimum Load	5V Other Outputs	1.0A 0.0A
Hold-Up Time		15ms
Set Point Accuracy		\pm 5%
Line Regulation	Low line to high line	\pm 0.5%
Load Regulation	Min to Full Load	\pm 5%
Transient Response	10% to full load Voltage Deviation Recovery Time	<5% <5ms
OVP		Yes
Overload Protection		Yes
Short Circuit Protection	Auto Recovery <3s	Short Term
Ripple and Noise		<1.5%
Output Rise Time		<10ms

All EOS power supplies have UL, CSA and Nemko safety compliance and medical versions meet UL60601-1 standards. All our products are RoHs compliant. Visit us at www.eospower.com and contact us at: sales@eospower.com or by calling +1 805-409-0909 today. © 2008, EOS Power. EOS brand power supplies and patents are owned exclusively by EOS Power. All Rights Reserved.



ZVC65 Series

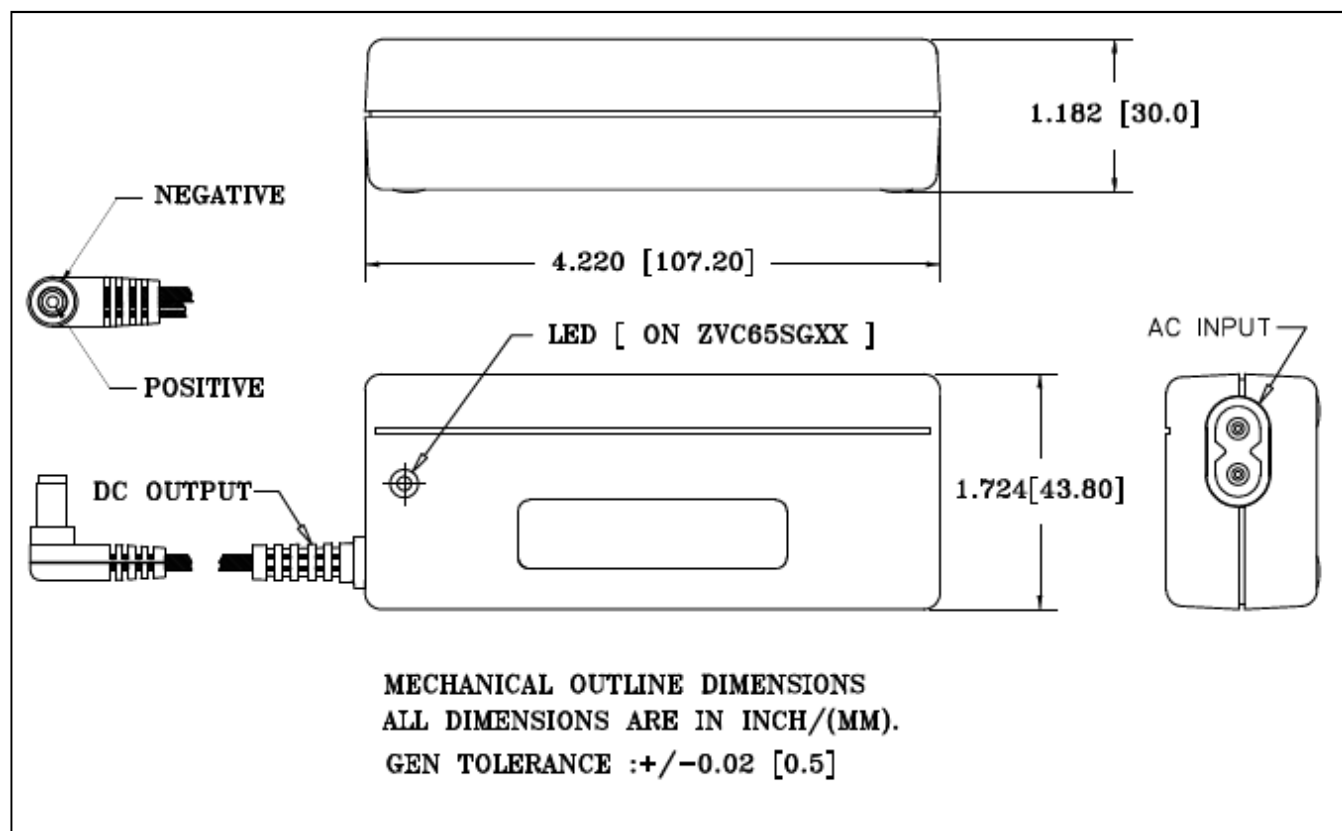
Single output 25W to 65W AC/DC External Adapters



MECHANICAL SPECIFICATIONS	
Input Connector	IEC320 C8
Output Connector	Right angle, hollow coax plug 0.10" (2.54mm) inside and 0.216" (5.49mm) outside diameter. Center positive polarity
Size	4.220 x 1.724 x 1.182" (107.2 x 43.8 x 30.0 mm)
Weight	7oz (200g)

ENVIRONMENTAL SPECIFICATIONS		
Operating Temperature		0 to 40° C
Storage Temperature		-40 to 85° C
Cooling		Convection
Relative humidity	Non condens- ing	95%, max
MTBF	MIL-HDBK 217F	> 100,000 hrs

EMC AND SAFETY SPECIFICATIONS	
CE Mark	Complies with LVD and EMC Directives
EMC-Emissions	EN5022-B, CISPR22-B, FCC Part 15 Class B, EN50082-1
EMC - Susceptibility	EN61000-4-2(level 3), -4(level 2), -5 (level 2)
Agency Approvals	NEMKO, UL, c-UL
Safety Standards	IEC60950 CSA C22.2 No.60950, EN60950, UL class 2 SELV
Safety file numbers	NEMKO: P063094 UL : E150565



All EOS power supplies have UL, CSA and Nemko safety compliance and medical versions meet UL60601-1 standards. All our products are RoHs compliant. Visit us at www.eospower.com and contact us at: sales@eospower.com or by calling +1 805-409-0909 today. © 2008, EOS Power. EOS brand power supplies and patents are owned exclusively by EOS Power. All Rights Reserved.



ZVC45 Series

Single output 20W to 45W AC/DC External Adapters

So small it's hardly there. Packing 8 watts per cu. inch the EOS ZVC45 "Micro Z model" adapters range in power from 20 watts to 45 watts and are available in popular voltage outputs from 5 volts to 24 volts.

Applications include low power LAN/WAN routers, hubs and switches, industrial products, computing equipment, multimedia gear and many general electronics applications. Millions are in operation with leading product brands. These small package, big power adapters provide greater than 90% efficiency converting AC power to DC. The cell phone size *Micro Z* measures a mere 3.50" x 1.76" x 0.967" and weighs under 6 ounces. The ZVC45 *Micro Z* adapters feature auto ranging AC input from 90v to 264v, operating temperature of 0 to 40 degrees C and have worldwide safety and agency certifications and are RoHs compliant. Our factory also is ISO140001 environmentally approved.



Features :

- > High power density up to 8W/in³
- > Efficiency to 90%
- > Smallest 45W adapter
- > EN55022-B, FCC Part 15 Level B Noise safety approvals
- > Class 2 safety approvals

Model Number	Case Type	Voltage	Current	Min Current Limit Point
ZVC20FS05E	FS	5V	4.00A	5.00A
ZVC25FS09E	FS	9V	2.77A	3.50A
ZVC36FS12E	FS	12V	3.00A	3.37A
ZVC36FS15E	FS	15V	2.40A	2.60A
ZVC36FS19E	FS	19V	1.90A	2.05A
ZVC36FS24E	FS	24V	1.50A	1.62A
ZVC45FS19E	FS	19V	2.36A	2.52A
ZVC45FS24E	FS	24V	1.87A	2.00A

INPUT SPECIFICATIONS		
AC Input	Auto - Ranging	90 to 132V 180 to 264V
Efficiency	5V Other Models	82% >90%
Input Frequency		47-63 Hz
Input Current	Full Load at low line	1.1Arms, max
Inrush Current	High Line , cold start	40A, Max
Leakage Current		<250 μ A

OUTPUT SPECIFICATIONS		
Output Power		20 to 45W
Minimum Load	5V output models 9V output models Other models	0.5A 0.2A 0.0A
Hold-Up Time		10ms
Set Point Accuracy		\pm 5%
Line Regulation	Low line to high line	\pm 0.5%
Load Regulation	Min to Full Load	\pm 5%
Transient Response	2.5% Load Change from mid level Voltage Deviation Recovery Time ZVC20 & 25FS ZVC36 & 45FS	<3% <1ms <3ms
OVP		YES
Overload Protection		Yes
Short Circuit Protection	Auto Recovery <3s	Short Term
Ripple and Noise	5V Other voltages	60mV 1%
Output Rise Time		<10ms

All EOS power supplies have UL, CSA and Nemko safety compliance and medical versions meet UL60601-1 standards. All our products are RoHs compliant. Visit us at www.eospower.com and contact us at: sales@eospower.com or by calling +1 805-409-0909 today. © 2008, EOS Power. EOS brand power supplies and patents are owned exclusively by EOS Power. All Rights Reserved.



ZVC45 Series

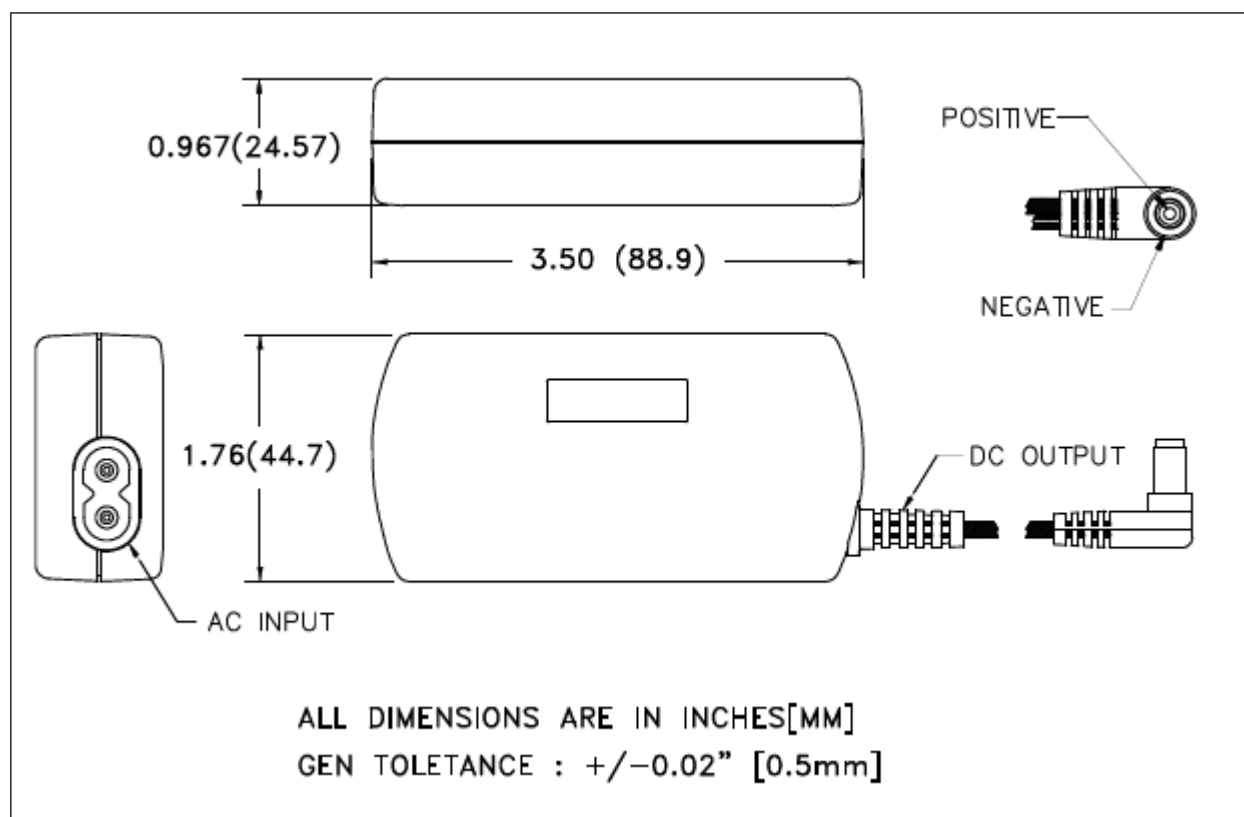
Single output 20W to 45W AC/DC External Adapters



MECHANICAL SPECIFICATIONS	
Input Connector	IEC320 C8
Output Connector	Right angle, hollow coax plug 0.10" (2.54mm) inside and 0.216" (5.49mm) outside diameter. Center positive polarity
Size	3.5 x 1.76 x 0.967 " (88.9 x 44.7 x 24.57 mm)
Weight	5oz (150g)

ENVIRONMENTAL SPECIFICATIONS		
Operating Temperature		0 to 40° C
Storage Temperature		-40 to 85° C
Cooling		Convection
Relative humidity	Non condensing	95%, max
MTBF	MIL-HDBK 217F	> 100,000 hrs

EMC AND SAFETY SPECIFICATIONS	
CE Mark	Complies with low voltage and EMC Directives
EMC	EN5022-B, CISPR22-B, FCC Part 15 Class B, EN50082-1
Agency Approvals	NEMKO, UL, c-UL, GOST, CCIB, MITI, PCBC, MEEI
Safety Standards	IEC60950, CSA C22.2 No. 60950, EN60950, UL1950 Class 2 SELV
Safety file numbers	NEMKO: P06206737 UL : E150565



All EOS power supplies have UL, CSA and Nemko safety compliance and medical versions meet UL60601-1 standards. All our products are RoHs compliant. Visit us at www.eospower.com and contact us at: sales@eospower.com or by calling +1 805-409-0909 today. © 2008, EOS Power. EOS brand power supplies and patents are owned exclusively by EOS Power. All Rights Reserved.



LVC45 & LVC55 Series

Single output 45W to 55W AC/DC External Adapters

EOS brand L-Series external adapters are 80% + efficient power supplies from EOS Power. Available in popular output voltages from 12 to 24 volts the L-Series offer excellent efficiency ratings and small footprint for applications where competitive advantage appreciated but cost is king.

L-Series adapters use top switch technology making them slightly less efficient than EOS Z-Series adapters yet very competitive where price is key. EOS adapters are among the top's worldwide in total number of units in operation driving leading brands including Dell, Apple, HP, Zebra Technologies, Bally Gaming, Shuffle master, Swarovski and hundreds more...



Features :

- > Optimized for low cost
- > Small form factor
- > Efficiency 80%
- > EN55022-B, FCC Part 15 Level B Noise
- > World-wide Class 2 safety approvals
- > Class 2 Product

Model Number	Case Type	Output Voltage	Output Current	Min. Load
LVC45SG12E	SG	12V	3.75A	0A
LVC45SG15E	SG	15V	3.0A	0A
LVC55SG19E	SG	19V	2.9A	0A
LVC55SG24E	SG	24V	2.29A	0A
LVC55SG48E	SG	48V	1.14A	0A

INPUT SPECIFICATIONS		
AC Input	Universal	90 to 264V
Efficiency	Typical	80%
Input Frequency		47-63 Hz
Input Current	Full Load at low line	1.5Arms, max
Inrush Current		Limited to safe value.
Leakage Current		<250 μ A

OUTPUT SPECIFICATIONS		
Output Power		45 to 55W
Minimum Load		0.0A
Hold-Up Time		>10ms
Set Point Accuracy		<5%
Line Regulation	Low line to high line	\pm 0.5%
Load Regulation	Min to Full Load	\pm 5%
Transient Response	10% to full load Voltage Deviation Recovery Time	<5% <5ms
Ripple and Noise		<2.0%
Output Rise Time	10% to 90% Load	<25ms
Turn-on Delay		<1s
OTP		Yes
Overload Protection	Auto Recovery >3s	Yes
Short Circuit Protection	Auto Recovery >3s	Short Term

All EOS power supplies have UL, CSA and Nemko safety compliance and medical versions meet UL60601-1 standards. All our products are RoHs compliant. Visit us at www.eospower.com and contact us at: sales@eospower.com or by calling +1 805-409-0909 today. © 2008, EOS Power. EOS brand power supplies and patents are owned exclusively by EOS Power. All Rights Reserved.



LVC45 & LVC55 Series

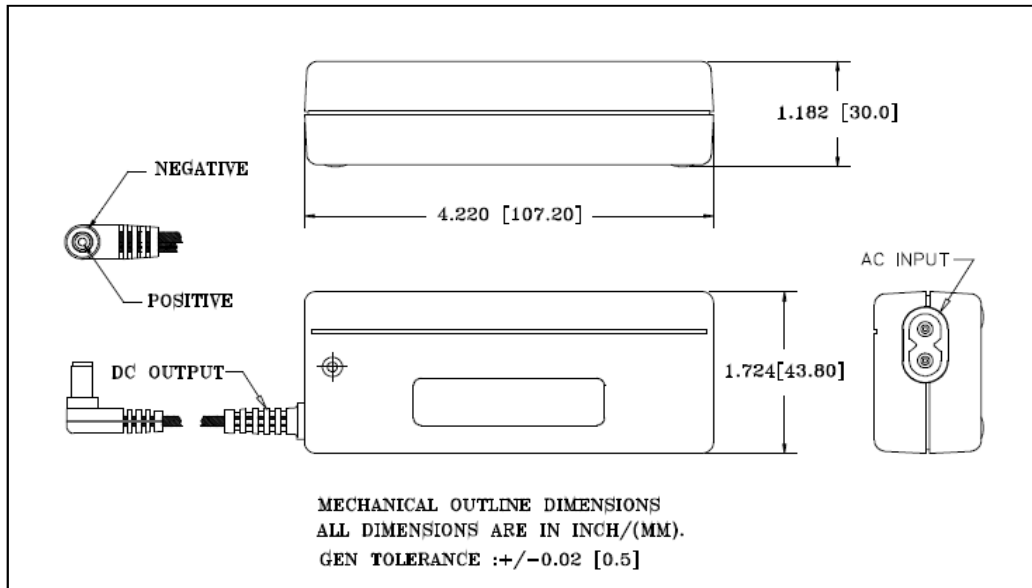
Single output 45W to 55W AC/DC External Adapters



MECHANICAL SPECIFICATIONS	
Input Connector	IEC320 C8
Output Connector	Right angle, hollow coax plug 0.10" (2.54mm) inside and 0.216" (5.49mm) outside diameter. Center positive polarity
Size	4.22 x1.724 x 1.182" (107.2 x 43.8 x 30.0 mm)
Weight	5oz (150 g)

ENVIRONMENTAL SPECIFICATIONS		
Operating Temperature		0 to 40° C
Storage Temperature		-40 to 85° C
Cooling		Convection
Relative humidity	Non condensing	95%, max
MTBF	Bellcore, TR332	> 100,000 hrs

EMC AND SAFETY SPECIFICATIONS	
CE Mark	Complies with the Low Voltage and EMC Directives
EMC-Emissions	EN5022-B, CISPR22-B, FCC Part 15 Class B, EN50082-1
EMC - Susceptibility	EN61000-4-2, -4, -5 Level 3
Agency Approvals	Class 2 SELV: NEMKO, c-UL, UL
Safety Standards	IEC68950, CSA C22.2 No. 60950, EN60950, UL60950 Class 2 SELV
Safety file numbers	NEMKO: P05205056 UL : E1306019



LVC36 Series

Single output 30W to 36W AC/DC External Adapters

EOS brand L-Series external adapters are 80% + efficient power supplies from EOS Power. Available in popular output voltages from 12 to 24 volts the L-Series offer excellent efficiency ratings and small footprint for applications where competitive advantage appreciated but cost is king.

L-Series adapters use top switch technology making them slightly less efficient than EOS Z-Series adapters yet very competitive where price is key. EOS adapters are among the top's worldwide in total number of units in operation driving leading brands including Dell, Apple, HP, Zebra Technologies, Bally Gaming, Shuffle master, Swarovski and hundreds more.



Features :

- > Cost efficient designs
- > Worldwide safety approvals
- > Small case size
- > EN55022-B, FCC Part 15 Level B Noise
- > Class 2 product

Model Number	Case Type	Output Voltage	Output Current	Min. Load
LVC30FS12E	FS	12V	2.5A	0A
LVC30FS15E	FS	15V	2.0A	0A
LVC36FS19E	FS	19V	1.89A	0A
LVC36FS24E	FS	24V	1.5A	0A

INPUT SPECIFICATION		
AC Input	Universal	90 to 264V
Efficiency	Typical	80%
Input Frequency		47-63 Hz
Input Current	Full Load at low line	1.2Arms, max
Inrush Current		Limited to safe value.
Leakage Current		<250 μ A

OUTPUT SPECIFICATIONS		
Output Power		30 to 36w
Minimum Load		0.0A
Hold-Up Time		>10ms
Set Point Accuracy		\pm 3%
Line Regulation	Low line to high line	\pm 0.5%
Load Regulation	Min to Full Load	\pm 5%
Transient Response	10% to full load Voltage Deviation Recovery Time	<3% <1ms
Ripple and Noise	Peak to Peak	<2.0%
Output Rise Time	10% to 90% Load	<25ms
Turn-on Delay		<1s
Overshoot		<5%
OTP		Yes
Overload Protection	Auto Recovery >3s	Yes, Typical 125%
Short Circuit Protection	Auto Recovery >3s	Short Term

All EOS power supplies have UL, CSA and Nemko safety compliance and medical versions meet UL60601-1 standards. All our products are RoHs compliant. Visit us at www.eospower.com and contact us at: sales@eospower.com or by calling +1 805-409-0909 today. © 2008, EOS Power. EOS brand power supplies and patents are owned exclusively by EOS Power. All Rights Reserved.



LVC36 Series

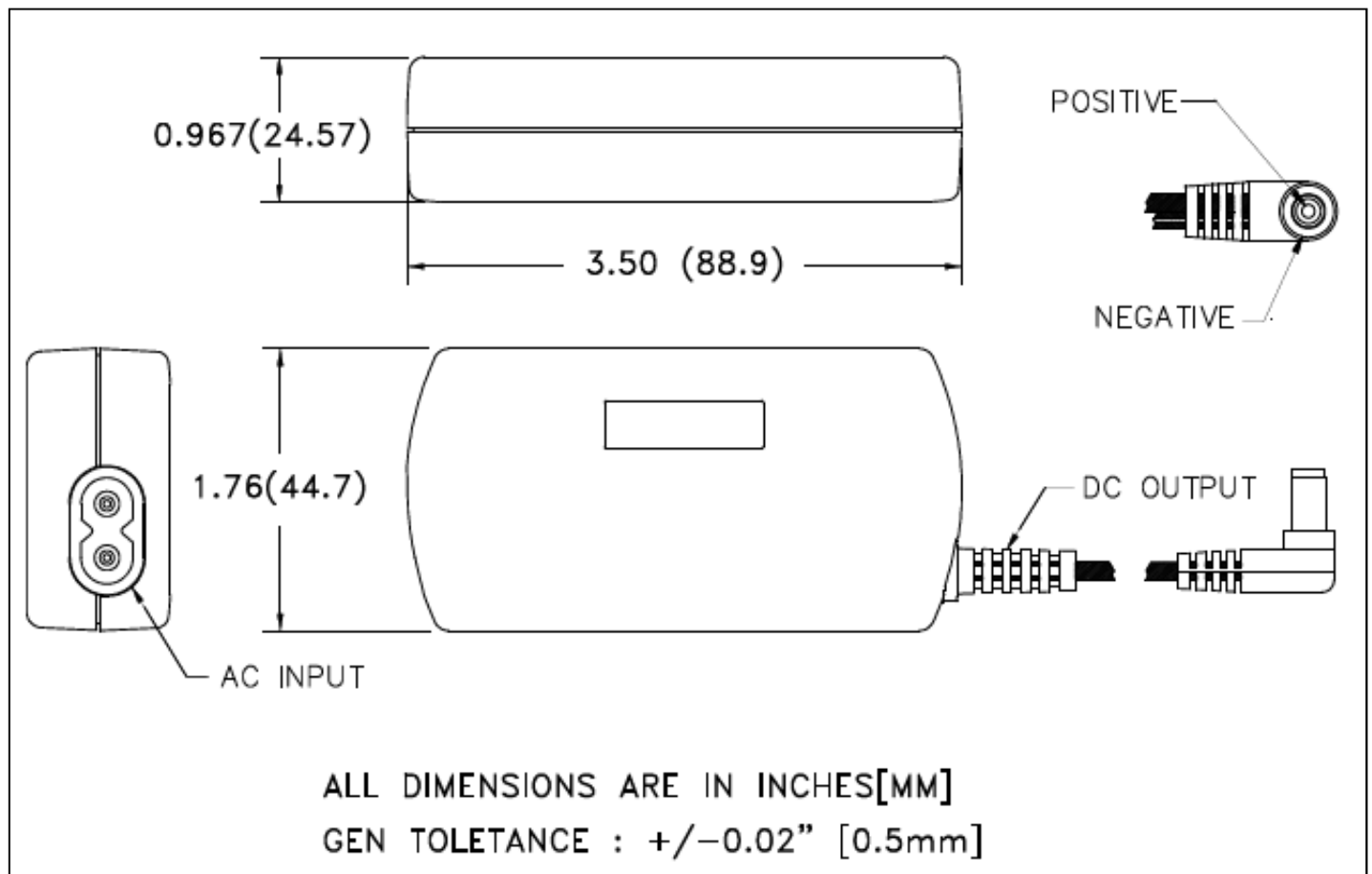
Single output 30W to 36W AC/DC External Adapters



MECHANICAL SPECIFICATIONS	
Input Connector	IEC320-C8
Output Connector	Right angle, hollow coax plug 0.10" (2.54mm) inside and 0.216" (5.49mm) outside diameter. Center positive polarity
Size	3.5 x 1.76 x 0.967" (88.9 x 44.7 x 24.57 mm)
Weight	5oz (150 g)

ENVIRONMENTAL SPECIFICATIONS		
Operating Temperature		0 to 40° C
Storage Temperature		-40 to 85° C
Cooling		Convection
Relative humidity	Non condensing	95%, max
MTBF	Bellcore, TR332	> 100,000 hrs

EMC AND SAFETY SPECIFICATIONS	
CE Mark	Complies with the Low Voltage and EMC Directives
EMC-Emissions	EN5022-B, CISPR22-B, FCC Part 15 Class B, EN50082-1
EMC - Susceptibility	EN61000-4-2, -4, -5 Level 3
Agency Approvals	Class 2 SELV: NEMKO, c-UL, UL
Safety Standards	IEC60950, CSA C22.2 No. 60950, EN60950, UL60950 Class 2 SELV
Safety file numbers	NEMKO: P05205056 UL : E136019



All EOS power supplies have UL, CSA and Nemko safety compliance and medical versions meet UL60601-1 standards. All our products are RoHs compliant. Visit us at www.eospower.com and contact us at: sales@eospower.com or by calling +1 805-409-0909 today. © 2008, EOS Power. EOS brand power supplies and patents are owned exclusively by EOS Power. All Rights Reserved.

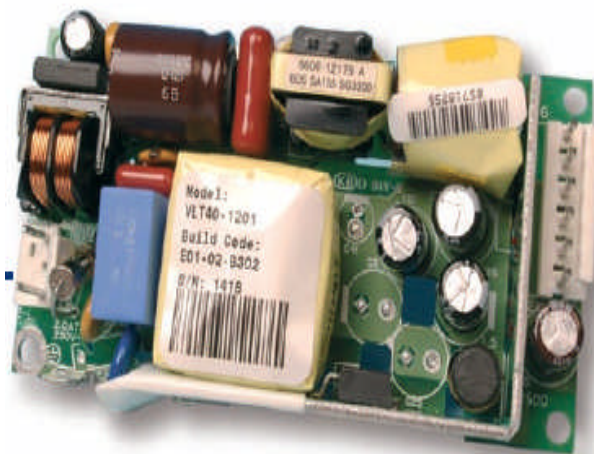


VLT40 Series

40W single and triple output AC/DC Power Supplies

Low profile in a 4.0"x2.0"x1.07" package and over 82% efficient the EOS VLT40 product family comes in single and multiple DC out put configurations.

The VLT40 offers a full 40 watts output power with convection cooling and more with optional air flow. A cover kit is available for easy drop in design and manufacturability. This industry and designer's favorite is used to power datacom, industrial, multimedia and many other market segments. If space is a premium and thermal management integral to your design we suggest the VLT40 as the optimum solution. The VLT40 family is RoHs compliant and our factory is ISO 14001 environmentally approved. Worldwide safety standards apply and the power supply is fitted with OVP and OCP standard features.



Features :

- > 40 W convection cooled rating.
- > Small 4.0"x2.0"x1.07" inch form factor.
- > High efficiency > 82%.
- > Single to triple outputs.
- > Low conducted and radiated noise.
- > Patented resonant topology
- > Cover Kit accessory available.

Model Number	Output	Voltage / Current *	Voltage Set Point	Min. Load
VLT40-1200	V1	5V@8.0A	5. 1V	0. 2A
VLT40-1201	V1	12V@3.5A	12V	0. 1A
VLT40-1202	V1	15V@2.7A	15V	0. 1A
VLT40-1203	V1	24V@1.7A	24V	0. 05A
VLT40-1204	V1	48V@ 0.83A	48V	0.05A
VLT40-3200	V1	5V@6.0A	5. 2V	0. 5A
	V2	12V@2.0A	12. 5V	0. 1A
	V3	-12V@0.5A	-12. 8V	0. 0A
VLT40-3201	V1	5V@6.0A	5. 2V	0. 5A
	V2	24V@1.0A	23. 8V	0. 1A
	V3	-12V@0.5A	-12. 8V	0. 0A
VLT40-3202	V1	5V@6.0A	5. 2V	0. 5A
	V2	15V@1.5A	14. 6V	0. 1A
	V3	-15V@0.5A	-14. 8V	0. 0A
VLT40-3203	V1	3.3V@6.0A	3. 3V	1A
	V2	5V@3.0A	5. 2V	0. 1A
	V3	-12V@0.5A	-12. 8V	0. 0A
VLT60CK Metal cover kit accessory				

* Maximum current per output channel. Do not exceed total output power rating

INPUT SPECIFICATION

AC Input	Auto Ranging	90 to 132 V 180 to 264V
Efficiency	VLT40-3203 Other Models	75%Typical 82%Typical
Input Frequency		47-63 Hz
Input Current	Full Load at low line	1.1Arms , max
Inrush Current	High Line , cold start	75A, max

OUTPUT SPECIFICATION

Output Power		40W max
Voltage Set Point		See table
Hold-Up Time	115V/230V	6ms./15ms
Voltage Set Point Accuracy	V1 V2 and V3	±3% ±5%
Line Regulation	Low line to high line	± 0.3%
Load Regulation	Min to 50% & 50% to Max Load V1 V2 and V3	±0.5% ±5%
Transient Response	50% to full load Voltage Deviation Recovery Time	10%, max <5 ms
OVP (For 3 o/p models only)	V1 only 3.3 V V1 only 5V	3.95V, ±0.25V 6.2V, ±0.4V
Overload Protection	Primary limited	Yes, 130%
Short Circuit Protection	Auto recovery <6s	Short Term
Ripple and Noise	3.3V and 5V Other Voltages	50mV 1%
Output Rise Time	All outputs	<100ms

All EOS power supplies have UL, CSA and Nemko safety compliance and medical versions meet UL60601-1 standards. All our products are RoHs compliant. Visit us at www.eospower.com and contact us at: sales@eospower.com or by calling +1 805-409-0909 today. © 2008, EOS Power. EOS brand power supplies and patents are owned exclusively by EOS Power. All Rights Reserved.



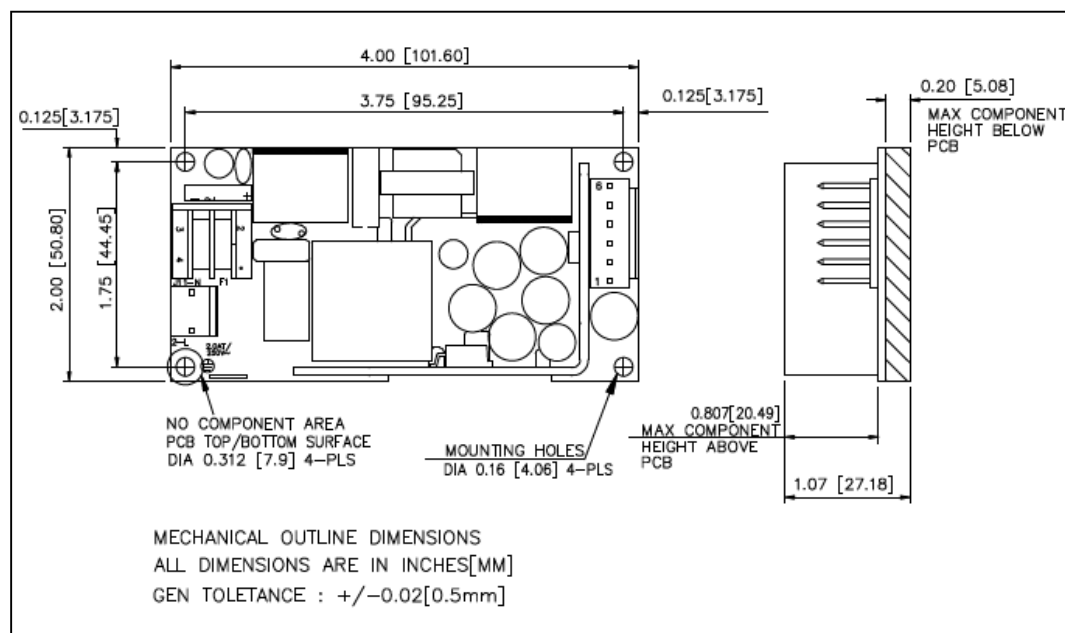
VLT40 Series

40W single and triple output AC/DC Power Supplies



EMC AND SAFETY SPECIFICATIONS	
CE Mark	Complies with the LVD
EMC	EN5022-B, CISPR22-B, FCC Part 15 Class B, EN50082-1
Agency Approval	VDE, UL, c-UL, NEMKO
Safety Standard	IEC60950, EN60950, UL 60950, CSA 60950 Class 1 SELV C22.2 No.
Safety file number	VDE: 114588 UL: E150565 NEMKO: 29343

ENVIRONMENTAL SPECIFICATION		
Operating Temperature	No derating Linear derate to 50%	0 to 50° C 51 to 70° C
Storage Temperature		-40 to 70° C
Cooling		Convection
Relative humidity	Non condensing	95%, max
MTBF	MIL - HDBK-217F	> 100,000 hrs



OUTPUT CONNECTOR J2		
	Single Output	Triple Output
Pin1	V1	V1
Pin2	V1	V1
Pin3	Common	Common
Pin4	Common	Common
Pin5	NC	V3
Pin6	NC	V2

INPUT SPADE CONNECTOR	
GND	AC Ground

MECHANICAL SPECIFICATION	
AC Input Connector J1	Molex 3 position, 0.156 center Header 26-60-4030 or equivalent
Ground Connector	Spade connector
DC Output connector J2	Molex 6 position, 0.156 center Header 26-60-4060 or equivalent
Size	4.0"x2.0"x1.07"
Weight	5oz (150g)

INPUT CONNECTOR J1	
Pin1	AC Neutral
Pin2	AC Line

All EOS power supplies have UL, CSA and Nemko safety compliance and medical versions meet UL60601-1 standards. All our products are RoHs compliant. Visit us at www.eospower.com and contact us at: sales@eospower.com or by calling +1 805-409-0909 today. © 2008, EOS Power. EOS brand power supplies and patents are owned exclusively by EOS Power. All Rights Reserved.



VLT60 Series

60W single and triple output AC/DC Power Supplies

The world's top selling 60-watt convection cooled multi-output power supply. The EOS VLT60 family of power supplies is just 4.0"x2.04"x1.07" in size and the industry leader in density and power conversion efficiency.

Packing nearly 8 watts per cubic inch the VLT60 is an industry top seller with multiple outputs, superb efficiency converting AC/DC at >82% and a full 60 watts out put power with convection cooling. The EOS brand VLT60 family is the power supply of choice for discerning engineers across the data-networking, industrial and multimedia industries. An optional cover kit is available. The VLT60 is ideal for 1U (1.75") height and smaller applications where space is a premium and excellent thermal management is key. The VLT60 family is RoHs compliant and our factory is ISO 14001 environmentally approved. Worldwide safety standards apply and the power supply is fitted with OVP and OCP standard features.



Features :

- > 60 W convection cooled rating.
- > Small 4.0x2.04x1.07 inch form factor.
- > High efficiency > 82%.
- > Single to triple outputs.
- > EN55022-B, FCC Part 15 Level B.
- > Patented resonant topology
- > Cover Kit accessory available.

Model Number	Output	Voltage / Current *	Voltage Set Point	Min. Load
VLT60-1000	V1	5V@10.0A	5. 2V	0. 5A
VLT60-1001	V1	12V@5.0A	12V	0. 1A
VLT60-1002	V1	15V@4.0A	15V	0. 1A
VLT60-1003	V1	24V@2.5A	24V	0. 02A
VLT60-1004	V1	48V@1.25A	48V	0.1A
VLT60-3000	V1	5V@8.0A	5. 2V	0. 5A
	V2	12V@3.0A	12. 5V	0. 1A
	V3	-12V@0.5A	-12. 5V	0. 0A
VLT60-3001	V1	5V@8.0A	5. 2V	0. 5A
	V2	24V@1.5A	23. 8V	0. 1A
	V3	-12V@0.5A	-12. 5V	0. 0A
VLT60-3002	V1	5V@8.0A	5. 2V	0. 5A
	V2	15V@2.5A	14. 6V	0. 1A
	V3	-15V@0.5A	-16. 2V	0. 0A
VLT60-3003	V1	3.3V@8.0A	3. 3V	1A
	V2	5V@3.0A	5. 2V	0. 1A
	V3	-12V@0.5A	-12. 8V	0. 0A
VLT60CK	Metal cover kit accessory			

INPUT SPECIFICATION

AC Input	Auto Ranging	90 to 132 V 180 to 264V
Efficiency	VLT60-3203 Other Models	75% Typical 82% Typical
Input Frequency		47-63 Hz
Input Current	Full Load at low line	1.4Arms , max
Inrush Current	High Line , cold start	75A, max

OUTPUT SPECIFICATION

Output Power	VLT60-1000 VLT60-3003 Other models	50W 45W 60W
Voltage Set Point		See table
Hold-Up Time	115V/230V	6ms/15ms
Voltage Set Point Accuracy	V1 V2 and V3	±3% ±5%
Line Regulation	Low line to high line	± 0.3%
Load Regulation	Min to 50% & 50% to Max Load V1 V2 and V3	±0.5% ±5%
Transient Response	50% to full load Voltage Deviation Recovery Time	10%, max <5 ms
OVP (For 3 o/p models only)	V1 only 3.3 V V1 only 5V	3.95V, ±0.25V 6.2V, ±0.4V
Overload Protection	Primary limited	Yes, 130%
Short Circuit Protection	Auto recovery <6s	Short Term
Ripple and Noise	3.3V and 5V Other Voltages	65mV 1%
Output Rise Time	All outputs	<100ms

* Maximum current per output channel. Do not exceed total output power rating

All EOS power supplies have UL, CSA and Nemko safety compliance and medical versions meet UL60601-1 standards. All our products are RoHs compliant. Visit us at www.eospower.com and contact us at: sales@eospower.com or by calling +1 805-409-0909 today. © 2008, EOS Power. EOS brand power supplies and patents are owned exclusively by EOS Power. All Rights Reserved.



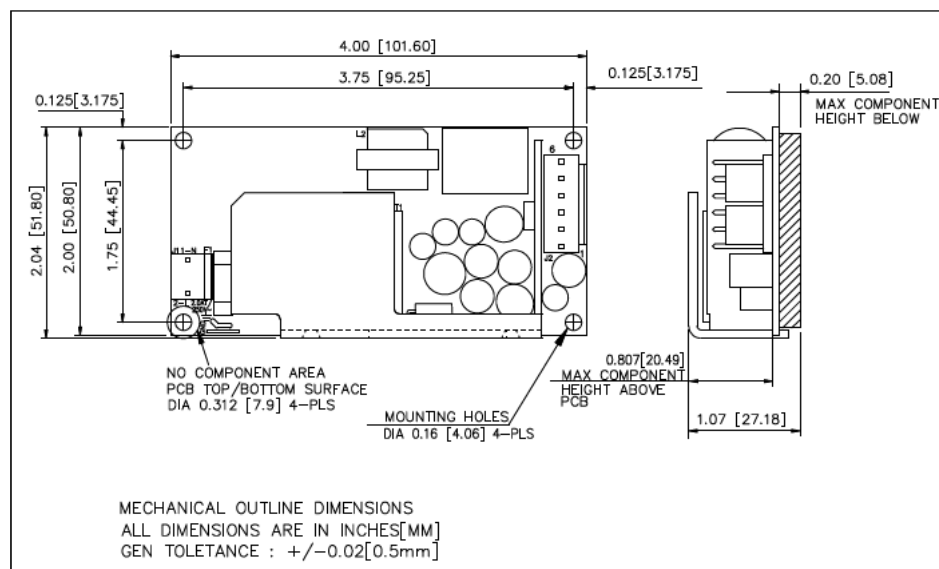
VLT60 Series

60W single and triple output AC/DC Power Supplies



EMC AND SAFETY SPECIFICATIONS	
CE Mark	Complies with the LVD
EMC	EN5022-B, CISPR22-B, FCC Part 15 Class B, EN50082-1
Agency Approval	VDE, UL, c-UL, NEMKO
Safety Standard	IEC60950, EN60950, UL60950, CSA C22.2 No. 60950 Class 1 SELV
Safety File Number	VDE: 114588 UL: E150565 NEMKO: 29343

ENVIRONMENTAL SPECIFICATION		
Operating Temperature	No derating Linear derate to 50%	0 to 50° C 51 to 70° C
Storage Temperature		-40 to 85° CC
Cooling		Convection
Relative humidity	Non condensing	95%, max
MTBF	MIL - HDBK-217F	> 100,000 hrs



OUTPUT CONNECTOR J2		
	Single Output	Triple Output
Pin1	V1	V1
Pin2	V1	V1
Pin3	Common	Common
Pin4	Common	Common
Pin5	NC	V3
Pin6	NC	V2

MECHANICAL SPECIFICATION	
AC Input Connector J1	Molex 3 position, 0.156 center Header 26-60-4030 or equivalent
Ground Connector	Spade connector
DC Output connector J2	Molex 6 position, 0.156 center Header 26-60-4060 or equivalent
Size	4.0"x2.04"x1.07"
Weight	5oz (150g)

INPUT CONNECTOR J1	
Pin1	AC Neutral
Pin2	AC Line

INPUT SPADE CONNECTOR	
GND	AC Ground

All EOS power supplies have UL, CSA and Nemko safety compliance and medical versions meet UL60601-1 standards. All our products are RoHS compliant. Visit us at www.eospower.com and contact us at: sales@eospower.com or by calling +1 805-409-0909 today. © 2008, EOS Power. EOS brand power supplies and patents are owned exclusively by EOS Power. All Rights Reserved.



VLT80 Series

80W single and quad output AC/DC Power Supplies

An industry favorite at 80-watts with no fan! Power solutions for 1U height and smaller applications are made easy with the single and quad output versions of the venerable 5.0"x3.040x1.073" EOS VLT80 from EOS Power.

All popular DC voltages are offered from 3.3v to 48v with full universal 90v to 264v input and power conversion ratings > 85%. Class A harmonic current correction is featured as is a full 80 watts power with convection cooling. Ideal for data networking, industrial and multimedia applications. The VLT80 family is RoHs compliant and our factory is ISO 14001 environmentally approved. Worldwide safety standards apply and the power supply is fitted with OVP and OCP standard features.



Features :

- > 80 W convection cooled rating.
- > Small 5.0x3.04x1.073 inch form factor.
- > High efficiency > 85%.
- > Class A harmonic current correction.
- > EN55022-B, FCC Part 15 Level B.
- > Cover Kit accessory available.

Model Number	Output	Nom Vout	Set Point	Output Current	Min. Load
VLT80-1000 ²	V1	5V	5.1V	12.0A	1.0A
VLT80-1001 ²	V1	12V	12V	6.8A	0.4A
VLT80-1002 ²	V1	15V	15V	5.5A	0.4A
VLT80-1003 ²	V1	24V	24V	3.4A	0.2A
VLT80-1008 ²	V1	36V	36V	2.2A	0.2A
VLT80-1004 ²	V1	48V	48V	1.7A	0.2A
VLT80-4000	V1	5V	5.1V	10.0A	1.0A
	V2	12V	12.4V	3.0A	0.1A
	V3	-5V	-5.1V	0.8A	0.0A
	V4	-12V	-12.5V	0.8A	0.0A
VLT80-4001	V1	5V	5.1V	10.0A	1.0A
	V2	24V	23.5V	2.0A	0.1A
	V3	12V	12.5V	0.8A	0.0A
	V4	-12V	-12.5V	0.8A	0.0A
VLT80-4002	V1	5V	5.1V	10.0A	1.0A
	V2	15V	16V	3.0A	0.1A
	V3	-5V	-5.1V	0.8A	0.0A
	V4	-15V	-16V	0.8A	0.0A
VLT80-4003	V1	5.0V	5.1V	10.0A	1.0A
	V2	12V	12.4V	3.0A	0.1A
	V3	24V	24V	0.8A	0.0A
	V4	-12V	-12.5V	0.8A	0.0A
VLT80-4004	V1	3.3V	3.3V	10.0A	1.0A
	V2	5V	5.1V	3.0A	0.1A
	V3	12V	12.5V	0.8A	0.0A
	V4	-12V	-12.5V	0.8A	0.0A
VLT80CK Metal cover kit accessory					

INPUT SPECIFICATION		
AC Input	Universal	90 to 264Vac
Efficiency	All Models VLT80-4004	85% Typical 80%
Input Frequency		47-63 Hz
Input Current	Full Load at low line	2.2Arms , max
Inrush Current	High Line , cold start	35A,max

OUTPUT SPECIFICATION		
Output Power	Convection cool	80W max
Voltage Set Point		See table
Hold-Up Time	115V	10ms
Voltage Set Point Accuracy	V1 V2,V3,V4	±3% ±5%
Line Regulation	Low line to high line	±0.3%
Load Regulation	Min to 50% & 50% to Max load V1 V2,V3,V4	±1% ±5%
Transient Response	50% to full load Voltage Deviation Recovery Time	10%, max <1 ms
OVP	V1 only %V 3.3V	6.4V, +0.4V 4.1±0.2V
Overload Protection	Primary limited	88W-128W
Short Circuit Protection	Auto recovery <6s	Short Term
Ripple and Noise	3.3V & 5V Other voltages	50mV 1%
Power Fail Signal ²	TTL	1ms Min. warning
Power Good Signal ²	Delay after V1 high	100ms, min
Output Rise Time		<40ms

1) Maximum current per output channel. Do not exceed total output power rating.

2) Power fail & Power good signal on quad output models only.

All EOS power supplies have UL, CSA and Nemko safety compliance and medical versions meet UL60601-1 standards. All our products are RoHs compliant. Visit us at www.eospower.com and contact us at: sales@eospower.com or by calling +1 805-409-0909 today. © 2008, EOS Power. EOS brand power supplies and patents are owned exclusively by EOS Power. All Rights Reserved.



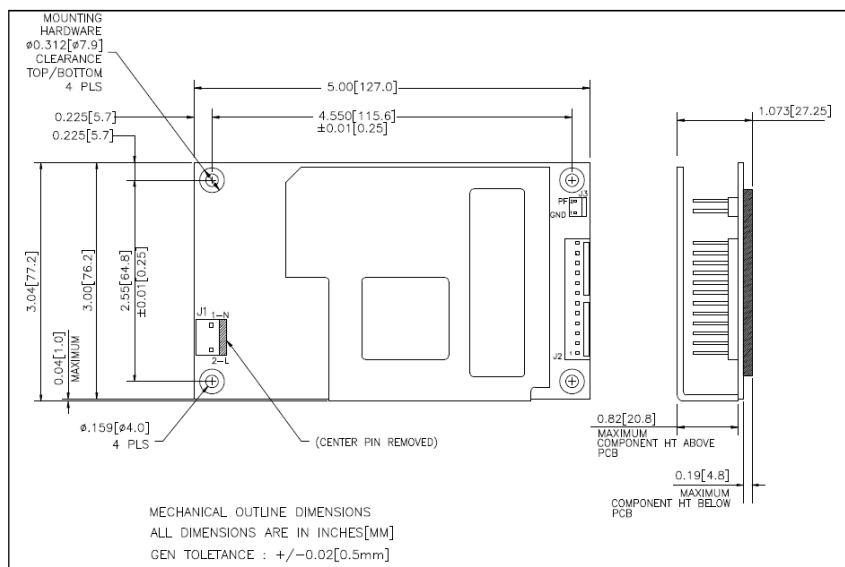
VLT80 Series

80W single and quad output AC/DC Power Supplies



EMC AND SAFETY SPECIFICATIONS	
CE Mark	Complies with the LVD
EMC	EN5022-B, CISPR22-B, FCC Part 15 Class B, EN50082-1
Agency Approval	VDE , UL, c-UL, NEMKO
Safety Standard	IEC60950, EN60950, UL60950, CSA ,C22.2 No. 60950 Class 1 SELV
Safety File Number	VDE: 104751 UL: E150565 NEMKO: 41749

ENVIRONMENTAL SPECIFICATION		
Operating Temperature	No derating Linear derate to 50%	0 to 50° C 51 to 70° C
Storage Temperature		-40 to 70° C
Cooling	Convection	80W
Relative humidity	Non condensing	95%, max
MTBF	MIL - HDBK-217F	> 200,000 hrs



OUTPUT CONNECTOR J2		
	Single Output	Quad Output
Pin 1,2,3,4	V1	V1
Pin 5,6,7,8	DC Return	DC Return
Pin 9,10	NC	V2
Pin 11	NC	V3
Pin 12	NC	V4

INPUT SPADE CONNECTOR	
GND	AC Ground

INPUT CONNECTOR J1	
Pin 1	AC Neutral
Pin 2	AC Line

MECHANICAL SPECIFICATION	
AC Input Connector J1	Molex 3 position, 0.156 center Header 26-60-4030 or equivalent
Ground Connector	Spade connector. 0.25"
DC Output connector J2	Molex12 position, 0.156 center Header 26-60-4120 or equivalent
Output connector J3	Molex 2 position, 0.100 center Header 22-23-2021 or equivalent
Size	5.0x3.04x1.073"
Weight	9oz (250g)

INPUT CONNECTOR J3	
Pin 1	Common
Pin 2	Power Fail/Good

All EOS power supplies have UL, CSA and Nemko safety compliance and medical versions meet UL60601-1 standards. All our products are RoHS compliant. Visit us at www.eospower.com and contact us at: sales@eospower.com or by calling +1 805-409-0909 today. © 2008, EOS Power. EOS brand power supplies and patents are owned exclusively by EOS Power. All Rights Reserved.



VLT100 Series

100W single and quad output AC/DC Power Supplies

EOS brand VLT100 family of power supplies offer a full 100-watts convection cooling, 6.7W per cu. inch power density and ultra high efficiency at over 85%.

Fitted in a slim line 5.0" x3.04"x1.073" package the VLT100 is the ideal AC/DC power solution for data networking, industrial and multimedia applications.

Single and quad outputs in all popular DC outputs are available as well as an optional cover kit for ease of manufacturability. The VLT100 family is RoHs compliant and our factory is ISO 14001 environmentally approved. Worldwide safety standards apply and the power supply is fitted with OVP and OCP standard features.



Features :

- > **100 W convection cooled rating.**
- > **Small 5.0x3.04x1.073 inch form factor.**
- > **6.7 / in³ power density.**
- > **High efficiency > 85%.**
- > **Low conducted and radiated noise.**
- > **Power good and power fails signal.**
- > **Cover Kit accessory available.**

Model Number	Output	Nom Vout	Set Point	Output Current	Min. Load
VLT100-1001 ²	V1	12V	12V	7.5A	1A
VLT100-1002 ²	V1	15V	15V	6.67A	0.5A
VLT100-1003 ²	V1	24V	24V	4.2A	0.1A
VLT100-1004 ²	V1	48V	48V	2.1A	0.2A
VLT100-4000	V1	5V	5.1V	12.0A	3.0A
	V2	12	12.25V	4.0A	0.1A
	V3	-5V	-5.0V	0.8A	0.0A
	V4	-12V	-12.0V	0.8A	0.0A
VLT100-4001	V1	5V	5.1V	12.0A	3.0A
	V2	24V	24.5V	2.0A	0.1A
	V3	12V	12.0V	0.8A	0.0A
	V4	-12V	-12.0V	0.8A	0.0A
VLT100-4002	V1	5V	5.1V	12.0A	3.0A
	V2	15V	16.0V	3.0A	0.1A
	V3	-5V	-4.8V	0.8A	0.0A
	V4	-15V	-15.5V	0.8A	0.0A
VLT100-4003	V1	5V	5.1V	12.0A	3.0A
	V2	12V	12.0V	4.0A	0.1A
	V3	24V	24V	0.8A	0.0A
	V4	-12V	-12.0V	0.8A	0.0A
VLT80CK	Metal cover kit accessory				

INPUT SPECIFICATION		
AC Input	Universal	90 to 264Vac
Efficiency		85% Typical
Input Frequency		47-63 Hz
Input Current	Full Load at low line	2.2Arms , max
Inrush Current	High Line , cold start	35A,max

OUTPUT SPECIFICATION		
Output Power	Convection cool	100W max
Voltage Set Point		See table
Hold-Up Time	115V	10ms
Voltage Set Point Accuracy	V1 V2,V3,V4	±2% +5%
Line Regulation	Low line to high line	±0.3%
Load Regulation Min to 50% & 50% to Max load	Single O/p 12V,15V,24V & 48V Quad O/p V1 V2,V3,V4	± 2.5, ±3, ±3 & ± 2% ± 1% ±5%
Transient Response	50% to full load Voltage Deviation Recovery Time	10%, max <1 ms
OVP	V1 only	6.2V, +0.4V
Overload Protection	Primary limited	140W,±30W
Short Circuit Protection	Auto recovery <6s	Short Term
Ripple and Noise	3.3V & 5V Other voltages	50mV 3% max
Power Fail Signal ²	TTL	1.5ms warning
Power Good Signal ²	Delay after V1 high	100ms, min
Output Rise Time		<50ms

1) Maximum current per output channel. Do not exceed total output power rating.

2) Power fail & Power good signal on quad output models only.

All EOS power supplies have UL, CSA and Nemko safety compliance and medical versions meet UL60601-1 standards. All our products are RoHs compliant. Visit us at www.eospower.com and contact us at: sales@eospower.com or by calling +1 805-409-0909 today. © 2008, EOS Power. EOS brand power supplies and patents are owned exclusively by EOS Power. All Rights Reserved.



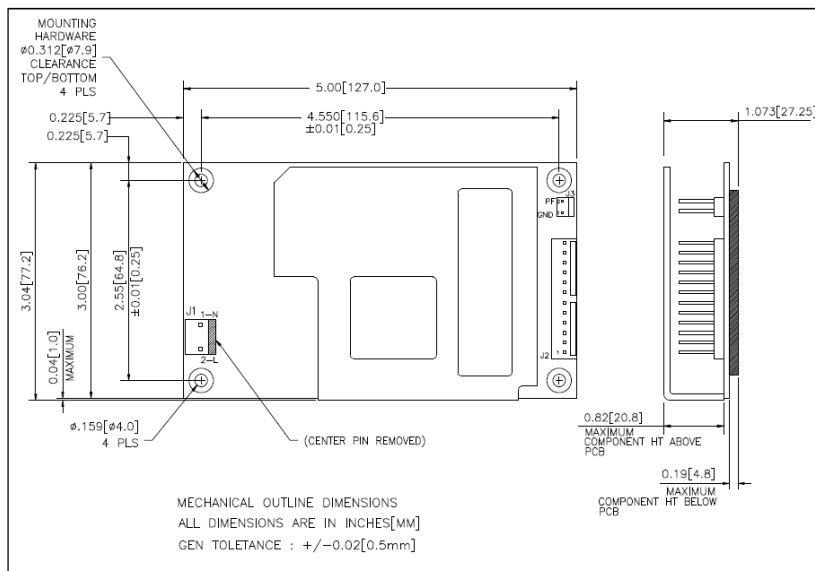
VLT100 Series

100W single and quad output AC/DC Power Supplies



EMC AND SAFETY SPECIFICATIONS	
CE Mark	Complies with the LVD
EMC	EN5022-B, CISPR22-B, FCC Part 15 Class B, EN50082-1
Agency Approval	VDE , UL, c-UL, NEMKO
Safety Standard	IEC60950, N60950, UL60950, CSA ,C22.2 No. 60950 Class 1 SELV
Safety File Number	VDE: 104751 UL: E150565

ENVIRONMENTAL SPECIFICATION		
Operating Temperature	No derating Linear derate to 50%	0 to 50° C 51 to 70° C
Storage Temperature		-40 to 85° CC
Cooling	Convection	100W
Relative humidity	Non condensing	95%, max
MTBF	MIL - HDBK-217F	> 200,000 hrs



OUTPUT CONNECTOR J2		
	Single Output	Quad Output
Pin 1,2,3,4	V1	V1
Pin 5,6,7,8	DC Return	DC Return
Pin 9,10	NC	V2
Pin 11	NC	V3
Pin 12	NC	V4

INPUT SPADE CONNECTOR	
GND	AC Ground

INPUT CONNECTOR J1	
Pin 1	AC Neutral
Pin 2	AC Line

MECHANICAL SPECIFICATION	
AC Input Connector J1	Molex 3 position, 0.156 center Header 26-60-4030 or equivalent
Ground Connector	Spade connector. 0.25"
DC Output connector J2	Molex12 position, 0.156 center Header 26-60-4120 or equivalent
Output connector J3	Molex 2 position, 0.100 center Header 22-23-2021 or equivalent
Size	5.0"x3.04"x1.073"
Weight	9oz (250g)

INPUT CONNECTOR J3	
Pin 1	Common
Pin 2	Power Fail/Good

All EOS power supplies have UL, CSA and Nemko safety compliance and medical versions meet UL60601-1 standards. All our products are RoHs compliant. Visit us at www.eospower.com and contact us at: sales@eospower.com or by calling +1 805-409-0909 today. © 2008, EOS Power. EOS brand power supplies and patents are owned exclusively by EOS Power. All Rights Reserved.



VLT110 Series

110W single and quad output AC/DC Power Supplies

EOS brand VLT110 family of power supplies utilize our patented resonant technology in a slim line 5.0"x3.04"x1.07" package and over 82% efficiency. Single and quad outputs in all popular DC output configurations are available ranging from 3.3v to 48v.

Packing over 8 watts per cubic inch and efficiencies >82% the VLT110 family is ideal for data networking, industrial and multimedia applications. VLT110 has universal 90v to 264v input and meets EN55022-B, FCC Part 15 Level B Noise and Class 2 safety approvals. The VLT110 family is RoHs compliant and our factory is ISO 14001 environmentally approved. Worldwide safety standards apply and the power supply is fitted with OVP and OCP standard features.



Features :

- > 110 W fan cooled rating.
- > Small 5.0x3.04x1.07 inch form factor.
- > High efficiency > 82%.
- > Low conducted and radiated noise.
- > EN61000-3-2 class A harmonics.
- > Cover Kit accessory available.

Model Number	Output	Nom Vout	Set Point	Output Current	Current 150LFM	Min. Load
VLT110-1300 ²	V1	5V	5.1V	12A	18A	0.1A
VLT110-1301 ²	V1	12V	12V	6.8A	9.2A	0.4A
VLT110-1302 ²	V1	15V	15V	5.5A	7.3A	0.4A
VLT110-1303 ²	V1	24V	24V	3.33A	4.6A	0.1A
VLT110-1304 ²	V1	48V	48V	1.7A	2.3A	0.2A
VLT110-4300	V1	5V	5.1V	10.0A	15.0A	1.0A
	V2	12V	12.4V	3.0A	4.1A	0.1A
	V3	-5V	-5.1V	0.8A	1.1A	0.0A
	V4	-12V	-12.5V	0.8A	1.1A	0.0A
VLT110-4301	V1	5V	5.1V	10.0A	15.0A	1.0A
	V2	24V	23.5V	2.0A	2.75A	0.1A
	V3	12V	12.5V	0.8A	1.1A	0.0A
	V4	-12V	-12.5V	0.8A	1.1A	1.0A
VLT110-4302	V1	5V	5.1V	10.0A	15.0A	1.0A
	V2	15V	16.0V	3.0A	4.1A	0.1A
	V3	-5V	-5.1V	0.8A	1.1A	0.0A
	V4	-15V	-16.0V	0.8A	1.1A	0.0A
VLT110-4303	V1	5V	5.1V	10.0A	15.0A	1.0A
	V2	12V	12.4V	3.0A	4.1A	0.1A
	V3	24V	24.0V	0.8A	1.1A	0.0A
	V4	-12V	-12.5V	0.8A	1.1A	0.0A
VLT110-4304	V1	3.3V	3.3V	10.0A	15.0A	1.0A
	V2	5V	5.1V	3.0A	4.1A	0.1A
	V3	12V	12.5V	0.8A	1.1A	0.0A
	V4	-12V	-12.5V	0.8A	1.1A	0.0A
VLT80CK Metal cover kit accessory						

INPUT SPECIFICATION		
AC Input	Universal	90 to 264Vac
Efficiency		82% Typical
Input Frequency		47-63 Hz
Input Current	Full Load at low line	2.5Arms , max
Inrush Current	High Line , cold start	65A,max

OUTPUT SPECIFICATION		
Hold-Up Time	115V	15ms
Voltage Set Point Accuracy	V1 V2 V3,V4	±3% ±5% ±7%
Line Regulation	Low line to high line	±0.3%
Load Regulation Min to 50% & 50% to Max load	V1 V2 V3,V4	±1% ±5% ±7%
Transient Response to full load	Voltage Deviation Recovery Time	10%, max <1 ms
OVP	V1 only 5V 3.3V	6.2V, +0.4V 4.1V,+0.2V
Overload Protection	Primary limited	110W,+160W
Short Circuit Protection	Auto recovery <6s	Short Term
Ripple and Noise	3.3V & 5V Other Voltages	50mV 1%
Power Fail Signal ²	TTL	1ms warning
Power Good Signal ²	Delay after V1 high	100ms, min
Output Rise Time		<40ms

1) Maximum current per output channel. Do not exceed total output power rating.
2) Power fail & Power good signal on quad output models only.

All EOS power supplies have UL, CSA and Nemko safety compliance and medical versions meet UL60601-1 standards. All our products are RoHs compliant. Visit us at www.eospower.com and contact us at: sales@eospower.com or by calling +1 805-409-0909 today. © 2008, EOS Power. EOS brand power supplies and patents are owned exclusively by EOS Power. All Rights Reserved.



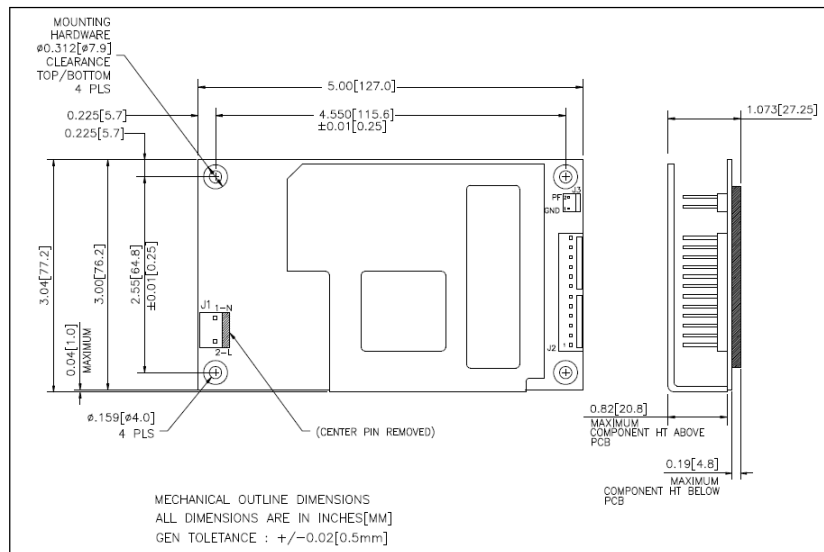
VLT110 Series

110W single and quad output AC/DC Power Supplies



EMC AND SAFETY SPECIFICATIONS	
CE Mark	Complies with the LVD
EMC	EN5022-B, CISPR22-B, FCC Part 15 Class B, EN50082-1
Agency Approval	VDE, UL, c-UL, NEMKO
Safety Standard	IEC60950, EN60950, UL60950, CSA, C22.2 No. 950 Class 1 SELV
Safety File Number	VDE: 18934-3336 UL: E150565

ENVIRONMENTAL SPECIFICATION		
Operating Temperature	No derating Linear derate to 50%	0 to 50°C 51 to 70°C
Storage Temperature		-40 to 70°C
Cooling	Convection	80W/100W
Relative humidity	Non condensing	95%, max
MTBF	MIL - HDBK-217F	> 200,000 hrs



OUTPUT CONNECTOR J2		
	Single Output	Quad Output
Pin 1,2,3,4	V1	V1
Pin 5,6,7,8	DC Return	DC Return
Pin 9,10	NC	V2
Pin 11	NC	V3
Pin 12	NC	V4

INPUT CONNECTOR J1	
Pin 1	AC Neutral
Pin 2	AC Line

INPUT CONNECTOR J3	
Pin 1	Common
Pin 2	Power Fail/Good

MECHANICAL SPECIFICATION	
AC Input Connector J1	Molex 3 position, 0.156 center Header 26-60-4030 or equivalent
Ground Connector	Spade connector. 0.25"
DC Output connector J2	Molex12 position, 0.156 center Header 26-60-4120 or equivalent
Output connector J3	Molex 2 position, 0.100 center Header 22-23-2021 or equivalent
Size	5.0"x3.04"x1.07"
Weight	9oz (250g)

INPUT SPADE CONNECTOR	
GND	AC Ground

All EOS power supplies have UL, CSA and Nemko safety compliance and medical versions meet UL60601-1 standards. All our products are RoHS compliant. Visit us at www.eospower.com and contact us at: sales@eospower.com or by calling +1 805-409-0909 today. © 2008, EOS Power. EOS brand power supplies and patents are owned exclusively by EOS Power. All Rights Reserved.



VLT130 Series

130W single and quad output AC/DC Power Supplies

High density and high efficiency are featured in the VLT130 AC/DC power supply. EOS brand VLT130 family of power supplies utilize our patented resonant technology in a slim line 5.0"x3.14"x1.025" package and 82% power conversion efficiency. Single and quad outputs in all popular DC output configurations are available ranging from 3.3v to 48v and single wire current share.

Packing over 8 watts per cubic inch the dual-channel VLT130 family is ideal for data networking, industrial and multimedia applications. VLT130 has auto ranging 90v to 264v input and meets EN55022-B, FCC Part 15 Level B Noise and Class 2 safety approvals. The VLT130 family is RoHs compliant and our factory is ISO 14001 environmentally approved. Worldwide safety standards apply and the power supply is fitted with OVP and OCP standard features as well as 1+1 redundancy and harmonic correction.



Features :

- > 130 W fan cooled rating.
- > Smallest 130W Ac/Dc power Supply
- > Small 5.0x3.14x1.025 inch form factor.
- > Dual channel output
- > EN61000-3-2 class A harmonics.
- > EN55022 and FCC Part 15 Level B
- > Cover Kit accessory available.

Model Number	Output	Output Voltage	Set Point	Current No Fan	Current 15CFM
VLT130-1106 ²	V1	3.3V	3.3V	20.0A	32.0A
VLT130-1100 ²	V1	5V	5.1V	16.0A	25.5A
VLT130-1101 ²	V1	12V	12.0V	6.6A	10.8A
VLT130-1102 ²	V1	15V	15.0V	5.4A	8.7A
VLT130-1103 ²	V1	24V	24.0V	3.3A	5.4A
VLT130-1104 ²	V1	48V	48.0V	1.7A	2.7A
VLT130-4100	V1	5V	5.1V	10.0A	14.0A
	V2	3.3V	3.3V	10.0A	16.0A
	V3	12V	12.7V	1.0A	1.5A
	V4	-12V	-12.7V	1.0A	1.5A
VLT130-4101	V1	5V	5.1V	10.0A	14.0A
	V2	3.3V	3.3V	10.0A	16.0A
	V3	24V	24.0V	1.0A	1.5A
	V4	-12V	-12.7V	1.0A	1.5A
VLT130-4102	V1	5V	5.1V	10.0A	14.0A
	V2	3.3V	3.3V	10.0A	16.0A
	V3	15V	16.3V	1.0A	1.5A
	V4	-15V	-16.3V	1.0A	1.5A
VLT80CK	Metal cover kit accessory				

INPUT SPECIFICATION		
AC Input	Auto Ranging	90 to 132V 180 to 264V
Efficiency		82% Typical
Input Frequency		47-63 Hz
Input Current	Full Load at low line	2.9Arms , max
Inrush Current	High Line , cold start	40A,max

All EOS power supplies have UL, CSA and Nemko safety compliance and medical versions meet UL60601-1 standards. All our products are RoHs compliant. Visit us at www.eospower.com and contact us at: sales@eospower.com or by calling +1 805-409-0909 today. © 2008, EOS Power. EOS brand power supplies and patents are owned exclusively by EOS Power. All Rights Reserved.



VLT130 Series

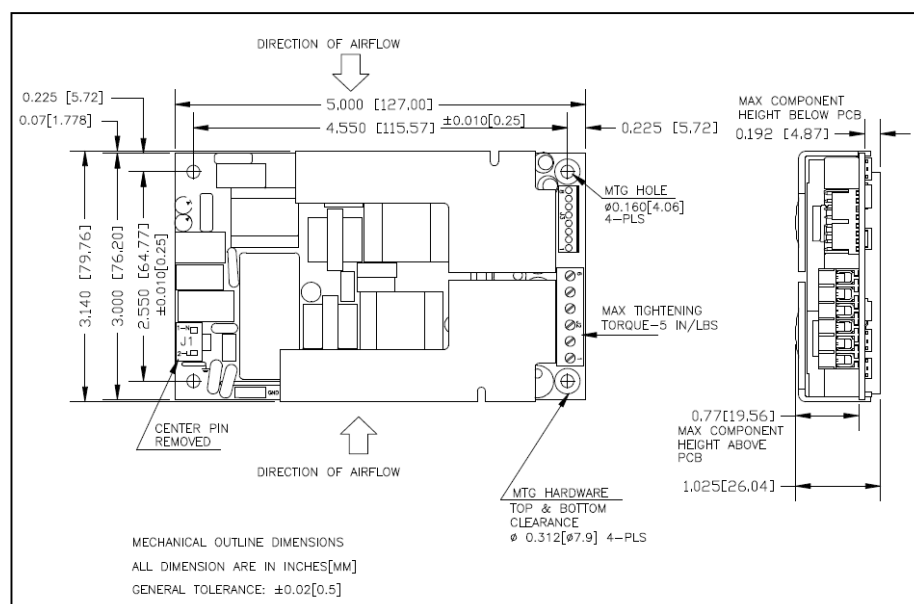
130W single and quad output AC/DC Power Supplies



OUTPUT SPECIFICATION		
Output Power ^{4,5}	All Outputs No Fan All Outputs with Fan	80W max 130W max
DC Output		See Table
Hold-Up Time	115V/230V	10ms
Set Point Accuracy	V1 and V2 V3 and V4	±1% ±5%
Line Regulation	Low line to high line	±0.3%
Load Regulation	Mini to 50% & 50% Max Load V1 and V2 V3 and V4	±1% ±5%
Minimum Load Single o/p models; Other models	3.3V & 5V V1 & V2 V3 & V4	3A 0.5A 0.1A
Transient Response to full load	50% to Full Load Voltage deviation Recovery Time	<7% <1ms
OVP	3.3V Output 5V Output	5.1V, ±0.5V 6.2V, ±0.4V
Overload Protection	Primary limited	195W, ±35W
Short Circuit Protection	Auto recovery <6s	Short Term
Ripple and Noise	3.3V & 5V Other voltages	50mV 1%
Power Fail Signal ²	TTL	2ms warning
Remote Sense	Line compensation on V1 and V2	400mV
Power Good ²	Delay after V1 high	30ms, min
Output Rise Time		<10ms
Redundancy	130W Max	1+1
Paralleling Function		No

ENVIRONMENTAL SPECIFICATION		
Operating Temperature	No derating	0 to 50° C
Storage Temperature		-40 to 85° C
Cooling	Convection	80W
Relative humidity	Non condensing	95%, max
MTBF	Bellcore TR332	>150,000 hrs

EMC AND SAFETY SPECIFICATIONS	
CE Mark	Complies with the LVD
EMC	EN5022-B, CISPR22-B, FCC Part 15 Class B, EN50082-1
Agency Approval	VDE , UL, c-UL
Safety Standard	IEC60950, EN60950, UL60950, Class 1 SELV
Safety File Number	VDE: 18934-3336 UL: E150565



All EOS power supplies have UL, CSA and Nemko safety compliance and medical versions meet UL60601-1 standards. All our products are RoHs compliant. Visit us at www.eospower.com and contact us at: sales@eospower.com or by calling +1 805-409-0909 today. © 2008, EOS Power. EOS brand power supplies and patents are owned exclusively by EOS Power. All Rights Reserved.



VLT130 Series

130W single and quad output AC/DC Power Supplies



MECHANICAL SPECIFICATION

AC Input Connector J1	Molex 3 position, 0.156 center Header 26-60-4030 or equivalent
Ground Connector	Spade connector.
DC Output connector J2	Tyco 282841-6 terminal block or equivalent
Output connector J3	Molex22-23-2081 or equivalent
Size	5.0x3.14x1.025"
Weight	12oz (340g)

INPUT CONNECTOR J1

Pin1	Neutral
Pin2	Line

INPUT SPADE CONNECTOR

GND	AC Ground
-----	-----------

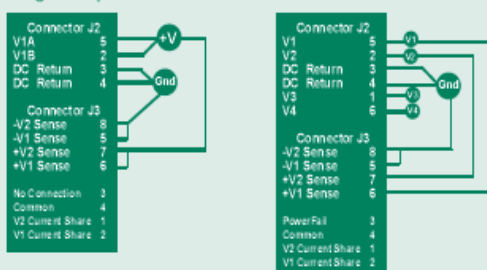
OUTPUT CONNECTOR J2

	Single Output	Quad Output
Pin1	No Connection	V3
Pin2	V1B	V3
Pin3	Dc Return	DC Return
Pin4	Dc Return	Dc Return
Pin5	V1A	V1
Pin6	No Connection	V4

OUTPUT CONNECTOR J3

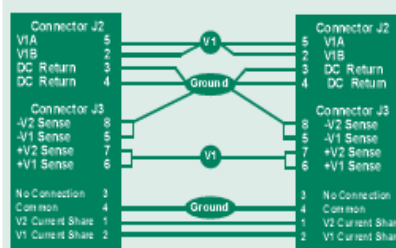
	Single Output	Quad Output
Pin1	V1 Current Share	V2 Current Share
Pin2	V1 Current Share	V1 Current Share
Pin3	No Connection	Power Fail
Pin4	Common	Common
Pin5	-V1A Sense	-V1 Sense
Pin6	+V1A Sense	+V1 Sense
Pin7	+V1B Sense	+V2 Sense
Pin8	-V1B Sense	-V2 Sense

Single Output Connection Quad Output Connection

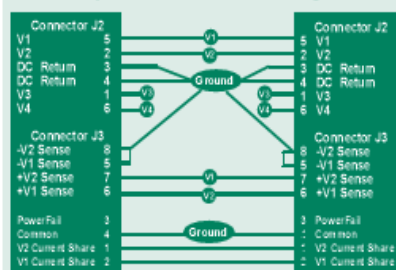


1. To connect the voltage sense pins 5,6,7 and 8 on connector J3 to the load, it is recommended to use 0.22 gauge twisted pair wire.
2. For single output units, an internal 0 ohm resistor shunt is used to internally connect the current share pins V1A Current Share (J3-2) and V1B Current share (J3-1).
3. Pins J3-4, Common, should be connected to ground for correct operation.
4. The Power Fail signal J3-3 is a TTL active high signal. The maximum source current is 0.45mA and the maximum sink current is 0.25mA.

Single Output 1+1 Redundant Configuration



Quad Output 1+1 Redundant Configuration



Note:

1. Maximum current per output. Do not exceed maximum output power rating.
2. Power good and Power Fail signal on quad output models only.
3. The use of the Remote Sense function required 15CFM airflow.
4. Quad output Models: The output section of the VLT130-4XXX is split into 2 independently regulated channels. Channel A consists of the main output V1 and auxiliary output V4. channel B consist of the main output V3 and auxiliary output V3. The maximum output power that may be drawn per channel is 45W with convection cooling or 65W with fan cooling.
5. Single output models: The output section of the VLT130-1XXX is split into 2 independently regulated channels. Channel A consist of the main output V1A. Channel B consist of the main output V1B. An internal shunt resistor of value 0 ohms connect both channels of the power supply. In an event whereby this shunt resistor is removed, the maximum output power that may be drawn per channel is 45W with convection cooling or 65W with fan cooling.

All EOS power supplies have UL, CSA and Nemko safety compliance and medical versions meet UL60601-1 standards. All our products are RoHS compliant. Visit us at www.eospower.com and contact us at: sales@eospower.com or by calling +1 805-409-0909 today. © 2008, EOS Power. EOS brand power supplies and patents are owned exclusively by EOS Power. All Rights Reserved.



VLT150 Series

150W single and quad output AC/DC Power Supplies

VLT150 AC/DC power supply features the trademark EOS brand high density and high efficiency. EOS brand VLT150 family of power supplies utilize our patented resonant technology in a slim line 5.0"x3.14"x1.025" package and 82% power conversion efficiency.

Single and quad outputs in all popular DC output configurations are available ranging from 3.3v to 48v and single wire current share. Packing over 10 watts per cubic inch the VLT150 family is ideal for 1U height data networking, industrial and multimedia applications. VLT150 has universal 90v to 264v input and meets EN55022-B, FCC Part 15 Level B Noise and Class A and D Harmonics. The VLT150 family is RoHs compliant and our factory is ISO 14001 environmentally approved. Worldwide safety standards apply and the power supply is fitted with OVP and OCP standard features as well as 1+1 redundancy.



Features :

- > 150 W fan cooled rating.
- > Smallest 150W Ac/Dc power Supply
- > Small 5.0x3.14x1.025 inch form factor.
- > Dual channel output
- > EN61000-3-2 class A & D harmonics.
- > EN55022 and FCC Part 15 Level B
- > Cover Kit accessory available.

Model Number	Output	Output Voltage	Set Point	Current No Fan	Current 300LFM
VLT150-1106 ⁵	V1	3.3V	3.3V	20.0A	36A
VLT150-1100 ⁵	V1	5V	5.1V	15.7A	29.4A
VLT150-1101 ⁵	V1	12V	12.0V	6.7A	12.5A
VLT150-1103 ⁵	V1	24V	24.0V	3.3A	6.25A
VLT150-1104 ⁵	V1	48V	48.0V	1.7A	3.13A
VLT150-4100 ⁴	V1	5V	5.1V	10.0A	16.0A
	V2	3.3V	3.3V	10.0A	19.0A
	V3	12V	13.0V	1.0A	1.0A
	V4	-12V	-13.2V	1.0A	1.0A
VLT150-4101 ⁴	V1	5V	5.1V	10.0A	16.0A
	V2	3.3V	3.3V	10.0A	19.0A
	V3	24V	24.0V	1.0A	1.0A
	V4	-12V	-13.2V	1.0A	1.0A
VLT150-4102 ⁴	V1	5V	5.1V	10.0A	16.0A
	V2	3.3V	3.3V	10.0A	19.0A
	V3	15V	15.0V	1.0A	1.5A
	V4	-15V	-15.0V	1.0A	1.0A
VLT80CK Metal cover kit accessory					

INPUT SPECIFICATION		
AC Input	Universal	90 to 264V
Efficiency		>85% Typical
Input Frequency		47-63 Hz
Input Current	Full Load at low line	4Arms , max
Inrush Current	High Line , cold start	65A,max
Leakage Current		<3.5mA

- 1) Maximum current per output channel. Do not exceed total output power rating.
 2) Power fail & Power good signal on quad output models only.

All EOS power supplies have UL, CSA and Nemko safety compliance and medical versions meet UL60601-1 standards. All our products are RoHs compliant. Visit us at www.eospower.com and contact us at: sales@eospower.com or by calling +1 805-409-0909 today. © 2008, EOS Power. EOS brand power supplies and patents are owned exclusively by EOS Power. All Rights Reserved.



VLT150 Series

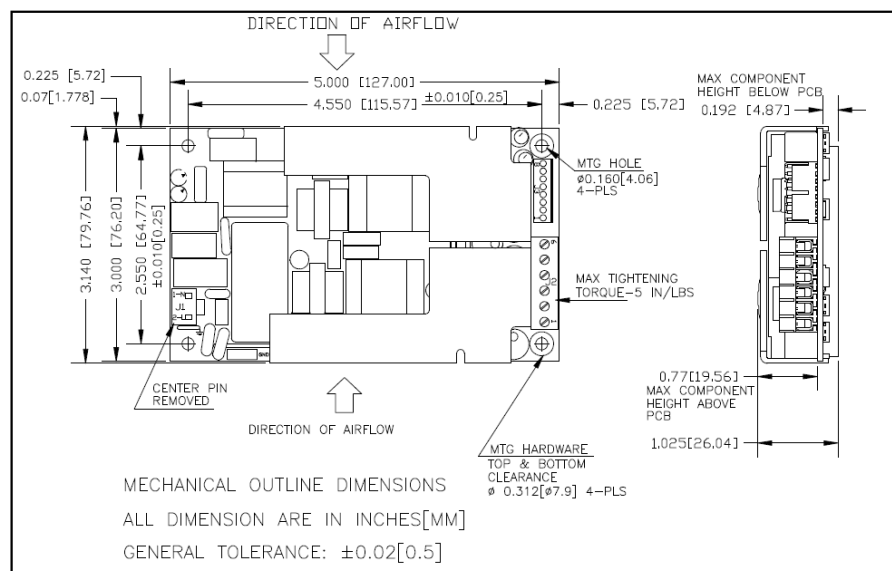
150W single and quad output AC/DC Power Supplies



OUTPUT SPECIFICATION		
Output Power ^{4,5}	All Outputs No Fan All Outputs 300 LFM	80W max 150W max
DC Output		See Table
Hold-Up Time	115V/230V	10ms
Set Point Accuracy	V1 and V2 V3 and V4	±1% ±5%
Line Regulation	Low line to high line	±1%
Load Regulation	Min to 50% & 50% to Max Load V1 and V2 V3 and V4	±1% ±5%
Minimum Load Single o/p models; Other models	3.3V & 5V V1 & V2 V3 & V4	3A 0.5A 0.1A
Output Capacitance	V1 & V2 V3 & V4	3000µF 330µF
Transient Response	50% to Full Load Voltage deviation Recovery Time	<7% <1ms
OVP	3.3V Output 5V Output	4V to 5.15V 5.8V to 6.6V
Output Overshoot	Turn On	<5%
Overload Protection	Primary limited	215W, ±35W
Short Circuit Protection	Auto recovery <6s	Short Term
Ripple and Noise	3.3V & 5V Other voltages	50mV 1%
Power Fail Signal ²	5V Line	1ms warning
Remote Sense ³	Line compensation on V1 and V2	100mV
Power Good ²	Delay after V1 high	30ms, min
Output Rise Time		<10ms
Redundancy		1+1
Paralleling Function		No

ENVIRONMENTAL SPECIFICATION		
Operating Temperature	No derating	0 to 50° C
Storage Temperature		-40 to 85° C
Cooling	Convection 300 LFM	150W
Relative humidity	Non condensing	95%, max
MTBF	Belcore TR332	>100,000 hrs

EMC AND SAFETY SPECIFICATIONS	
CE Mark	Complies with the LVD
EMC	EN5022-B, CISPR22-B, FCC Part 15 Class B, EN50082-1
EMC Susceptibility	EN61000-4-2, EN61000-4-4, EN61000-4-5 level 3
Harmonic Correction	EN61000-3-2 Class D
Agency Approval	UL, c-UL, NEMKO
Safety Standard	IEC60950, EN60950, UL60950, CSA, C22.2 No. 60950 Class 1 SELV
Safety File Number	UL: E136019 NEMKO: P05203645



All EOS power supplies have UL, CSA and Nemko safety compliance and medical versions meet UL60601-1 standards. All our products are RoHS compliant. Visit us at www.eospower.com and contact us at: sales@eospower.com or by calling +1 805-409-0909 today. © 2008, EOS Power. EOS brand power supplies and patents are owned exclusively by EOS Power. All Rights Reserved.



VLT150 Series

150W single and quad output AC/DC Power Supplies



MECHANICAL SPECIFICATION

AC Input Connector J1	Molex 3 position, 0.156 center Header 26-60-4030 or equivalent
Ground Connector	Spade connector.
Output connector J2	Tyco 282841-6 terminal block or equivalent
Output connector J3	Molex22-23-2081 or equivalent
Size	5.0x3.14 x 1.025"
Weight	12oz (340g)

INPUT CONNECTOR J1

Pin1	Neutral
Pin2	Line

INPUT SPADE CONNECTOR

GND	AC Ground
-----	-----------

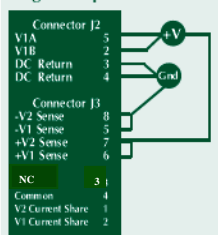
OUTPUT CONNECTOR J2

	Single Output	Quad Output
Pin1	No Connection	V3
Pin2	V1B	V2
Pin3	Dc Return	DC Return
Pin4	Dc Return	Dc Return
Pin5	V1A	V1
Pin6	No Connection	V4

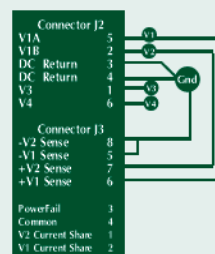
OUTPUT CONNECTOR J3

	Single Output	Quad Output
Pin1	V1 Current Share	V2 Current Share
Pin2	V1 Current Share	V1 Current Share
Pin3	No Connection	Power Fail
Pin4	Common	Common
Pin5	-V1A Sense	-V1 Sense
Pin6	+V1A Sense	+V1 Sense
Pin7	+V1B Sense	+V2 Sense
Pin8	-V1B Sense	-V2 Sense

Single Output Connection

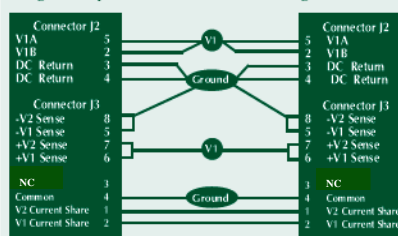


Quad Output Connection

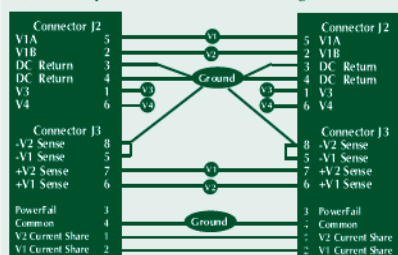


1. To connect the voltage sense pins 5,6,7 and 8 on connector J3 to the load, it is recommended to use 0.22 gauge twisted pair wire.
2. For single output units, an internal 0 ohm resistor shunt is used to internally connect the current share pins V1A Current Share (J3-2) and V1B Current share (J3-1).
3. Pins J3-4, Common, should be connected to ground for correct operation.
4. The Power Fail signal J3-3 is a TTL active high signal. The maximum source current is 0.45mA and the maximum sink current is 0.25mA.

Single Output 1+1 Redundant Configuration



Quad Output 1+1 Redundant Configuration



Note:

1. Maximum current per output. Do not exceed maximum output power rating.
2. Power good and Power Fail signal on quad output models only.
3. The use of the Remote Sense function required 300LFM airflow.
4. Quad output Models: The output section of the VLT150-4XXX is split into 2 independently regulated channels. Channel A consists of the main output V1 and auxiliary output V4. channel B consist of the main output V2 and auxiliary output V3. The maximum output power that may be drawn per channel is 55W with convection cooling or 75W with fan cooling.
5. Single output models: The output section of the VLT150-1XXX is split into 2 independently regulated channels. Channel A consist of the main output V1A. Channel B consist of the main output V1B. An internal shunt resistor of value 0 ohms connect both channels of the power supply. In an event whereby this shunt resistor is removed, the maximum output power that may be drawn per channel is 55W with convection cooling or 75W with fan cooling.

All EOS power supplies have UL, CSA and Nemko safety compliance and medical versions meet UL60601-1 standards. All our products are RoHS compliant. Visit us at www.eospower.com and contact us at: sales@eospower.com or by calling +1 805-409-0909 today. © 2008, EOS Power. EOS brand power supplies and patents are owned exclusively by EOS Power. All Rights Reserved.



VLT200 Series

200W single output AC/DC Power Supplies

The EOS brand VLT200 power supply family features single-output DC configurations from 5v to 48v and efficiencies greater than 85%. Fitted in a 6.3"x3.0"x1.3" package the VLT200 has over 8 watts per cubic inch power, 90-264v universal input, passive harmonic correction, remote sense and remote on/off features.

VLT200 family has low conducted and radiated noise and meets EN61000-3-2 class A&D harmonics. The VLT200 family is RoHs compliant and our factory is ISO 14001 environmentally approved. Worldwide safety standards apply and the power supply is fitted with OTP, OVP and OCP standard features and an operating range from 0 to 50 degrees C.



Features :

- > 200 W fan cooled rating.
- > Small 6.3x3.0x1.3 inch form factor.
- > Ultra high efficiency > 85%
- > EN61000-3-2 class D harmonics.
- > Patented resonant topology.
- > Low conducted and radiated noise.

Model Number	Output	Output Voltage	Set Point	Current No Fan	Current 300LFM	Min. Load
VLT200-1001	V1	12V	12V	9.2A	16.6A	0A
VLT200-1002	V1	15V	15V	7.3A	13.3A	0A
	Vsb	5V	5V	0.5A	0.5A	0A
VLT200-1003	V1	24V	24V	4.5A	8.3A	0A
	Vsb	5V	5v	0.5A	0.5A	0A
VLT200-1004	V1	48V	48V	2.3A	4.16A	0A
	Vsb	5V	5V	0.5A	0.5A	0A

INPUT SPECIFICATION		
AC Input	Universal	90 to 264V
Efficiency		85% Typical
Input Frequency		47-63 Hz
Input Current	Full Load at low line	3.0Arms , max
Inrush Current	High Line , cold start	100A,max

MECHANICAL SPECIFICATION	
AC Input Connector J1	Molex 3 position, 0.156 center Header 26-60-4030 or Equivalent
J1 Mating Connector	Molex 09-50-3031 or Equivalent
Ground Connector	Spade Connector, 0.25"
Output connector J2	Tyco terminal block 282841-6 or Equivalent
J2 Wire Torque	5 inch/lb
Output Connector J3	Molex 22-23-2081 or Equivalent
Size	6.3x3.0x1.3"
Weight	450g

ENVIRONMENTAL SPECIFICATION		
Operating Temperature	No derating	0 to 50° C
Storage Temperature		-40 to 85° CC
Cooling	Convection/300LFM	110W/200W
Relative humidity	Non condensing	95%, max
MTBF	Bellcore, TR332	>100,000 hrs

All EOS power supplies have UL, CSA and Nemko safety compliance and medical versions meet UL60601-1 standards. All our products are RoHs compliant. Visit us at www.eospower.com and contact us at: sales@eospower.com or by calling +1 805-409-0909 today. © 2008, EOS Power. EOS brand power supplies and patents are owned exclusively by EOS Power. All Rights Reserved.



VLT200 Series

200W single output AC/DC Power Supplies



OUTPUT SPECIFICATION		
Output Power	Convection/Fan	110W/200W
Hold-Up Time	115V/230V	10ms/15ms
Voltage Set Point Accuracy	V1	±1%
Line Regulation	Low line to high line	±1%
Load capacitance	Max permissible	3000μF
Load Regulation 50% to full load	V1	±1%
Transient Response 50% to full load	Voltage deviation Recovery time	7%,max <5ms
Ripple and Noise		1%
Output Overshoot	Turn On	<5%
Output rise time		<20ms
OVP		Redundant feed back type
Overload Protection	Primary hiccup	210 to 260W
Short Circuit Protection	Auto Recovery <6s	Short Term
Power Fail Signal ²	TTL active low	1ms warning
Power Good Signal ²	Delay after V1 high	0.1s to 1s
Remote Sense	Line Compensation	500mV
Remote on/off	TTL open collector	Yes

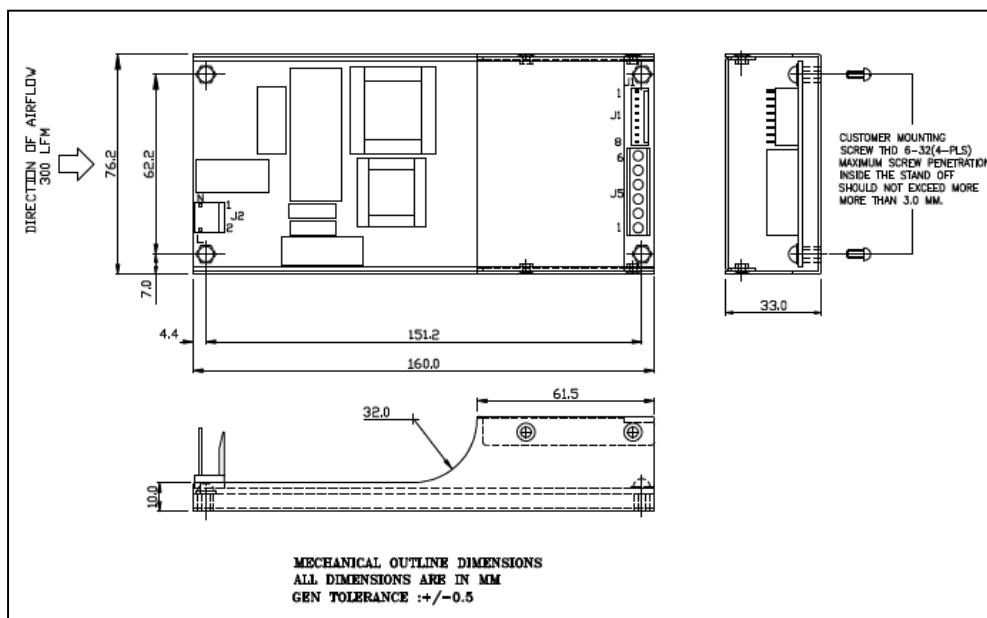
EMC AND SAFETY SPECIFICATIONS	
CE Mark	Complies with the LVD
EMC	EN5022-B, CISPR22-B, FCC Part 15 Class B, EN50082-1
Harmonic Correction	EN61000-3-2 Class A&D
Agency Approval	VDE , UL, c-UL, NEMKO
Safety Standard	IEC60950, EN60950, UL60950, CSA , C22.2 No. 60950 Class 1 SELV
Safety File Number	UL: E136019

INPUT CONNECTOR J1	
Pin1	Neutral
Pin2	Line

INPUT SPADE CONNECTOR	
GND	AC Ground

OUTPUT CONNECTOR J3	
	Single Output
Pin1	No connection
Pin2	No connection
Pin3	Power Fail
Pin4	Common
Pin5	-V1 Sense
Pin6	+V1 Sense
Pin7	No connection
Pin8	Remote on /Off

OUTPUT CONNECTOR J2	
	Single Output
Pin1	Vsp
Pin2	+V1
Pin3	Dc Return
Pin4	Dc Return
Pin5	+V1
Pin6	Dc Return



All EOS power supplies have UL, CSA and Nemko safety compliance and medical versions meet UL60601-1 standards. All our products are RoHs compliant. Visit us at www.eospower.com and contact us at: sales@eospower.com or by calling +1 805-409-0909 today. © 2008, EOS Power. EOS brand power supplies and patents are owned exclusively by EOS Power. All Rights Reserved.



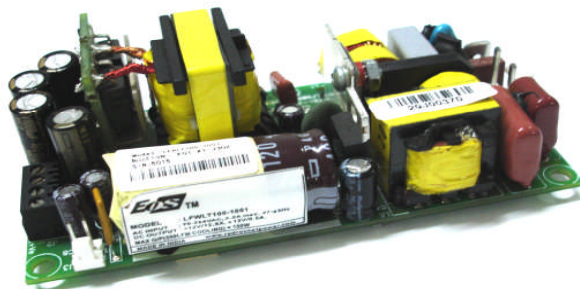
WLT150 Series

New Release



150 Watt 2 x 4 Inch AC/DC Power Supplies

The W-Series of Open Frame Power Supplies are ideal for Industrial, data networking, telecommunications, process controls, automation products, multimedia and point of sale



Features :

- > 150 W with Forced Air Cooling.
- > Small 2x4x1.324 inch form factor.
- > High efficiency > 86%.
- > 12V Fan O/P
- > Low conducted and radiated noise.
- > 12V @ 0.5A Fan Voltage auxiliary output.
- > Class 1 & 2 products
- > Light weight
- > Cover Kit accessory available.

Model Number	Description	Voltage/ Current	Voltage/ Current
		(Convection)	(Fan Cooled)
WLT150-1000	Class 1 with Screw Terminal	5V @ 16A	5V @ 20A
WLT150-1000-2	Class 2 with Screw Terminal		
WLT150-1300	Class 1 with JST Connector	5V @ 16A	5V @ 16A
WLT150-1300-2	Class 2 with JST Connector		
WLT150-1001	Class 1 with Screw Terminal	12V @ 8.33A	12V @ 12.5A
WLT150-1001-2	Class 2 with Screw Terminal		
WLT150-1301	Class 1 with JST Connector		
WLT150-1301-2	Class 2 with JST Connector		
WLT150-1002	Class 1 with Screw Terminal	15V @ 6.67A	15V @ 10A
WLT150-1002-2	Class 2 with Screw Terminal		
WLT150-1302	Class 1 with JST Connector		
WLT150-1302-2	Class 2 with JST Connector		
WLT150-1003	Class 1 with Screw Terminal	24V @ 4.17A	24V @ 6.25A
WLT150-1003-2	Class 2 with Screw Terminal		
WLT150-1303	Class 1 with JST Connector		
WLT150-1303-2	Class 2 with JST Connector		
WLT150-1004	Class 1 with Screw Terminal	48V @ 2.08A	48V @ 3.13A
WLT150-1004-2	Class 2 with Screw Terminal		
WLT150-1304	Class 1 with JST Connector		
WLT150-1304-2	Class 2 with JST Connector		
WLT100-CK	Metal cover-kit accessory		

INPUT SPECIFICATION		
AC Input	Universal	90 to 264VAC
DC Input		120 to 390VDC (Reduce to half load at 120VDC Input)
Efficiency	All Models	≥86%
Input Frequency		47-63 Hz
Input Current	Full Load at Low line	2.0Arms , max
Inrush Current	230VAC, 115VAC	65A, 33A Max

OUTPUT SPECIFICATION		
Output Power		150W max
Leakage Current		3.5mA
Hold-Up Time	115V/230V	6ms./10ms
Peak Power		170 Watts for 0.2 Sec's
Line Regulation	Low line to high line	± 0.5%
Load Regulation	Min to Max load	± 2%
Transient Response	50% to full load Voltage Deviation Recovery Time	10%, max <5 ms
OVP	Self Protecting	Hiccup
Overload Protection	Primary limited	> 110%
Short Circuit Protection	Auto recovery <6s	Short Term
Ripple and Noise	Up to 20% load Above 20% load	2% <1%
Output Rise Time	All outputs	<100ms

EMC AND SAFETY SPECIFICATIONS

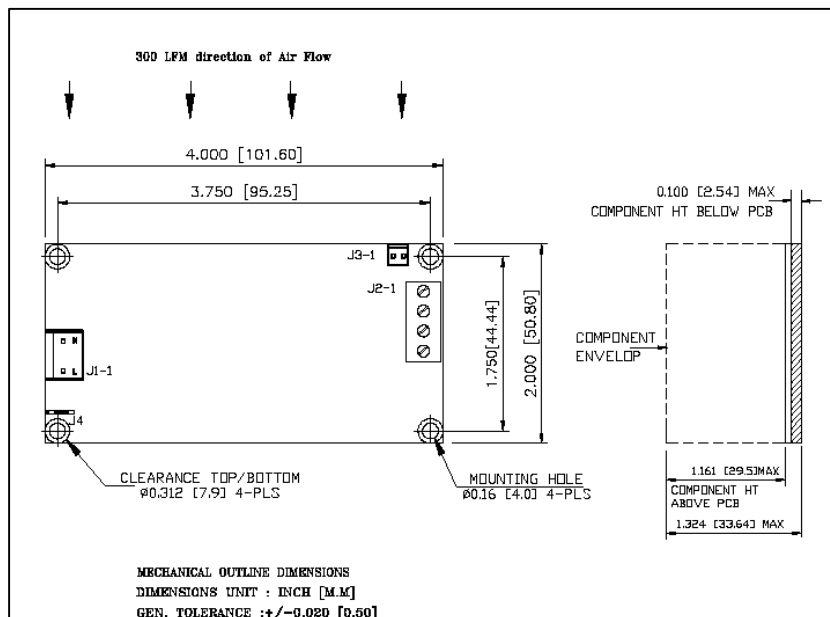
CE Mark	Complies with the LVD
EMC	EN5022-B, CISPR22-B, FCC Part 15 Class B, EN50082-1
Agency Approval	UL, c-UL, NEMKO, IEC
Harmonic Correction	EN61000-3-2 Class D
Safety Standard	UL / IEC/ EN60950
Isolation	4.2KVDC Input to Output 2.1KVDC Input to GND
Insulation Resistance	7mOhms Input to Output

All EOS power supplies have UL, CSA and Nemko safety compliance and medical versions meet UL60601-1 standards. All our products are RoHs compliant. Visit us at www.eospower.com and contact us at: sales@eospower.com or by calling +1 805-409-0909 today. © 2008, EOS Power. EOS brand power supplies and patents are owned exclusively by EOS Power. All Rights Reserved.



WLT150 Series

150 Watt Forced Air Cooled AC/DC Power Supplies



MECHANICAL SPECIFICATION

AC Input Connector J1	Molex 26-60-4030, 3 pin, 0.156" Mating Connector: Molex 09-50-3031 Pins: 08-50-0106 or Equivalent
Ground Connector	Molex 19705-4301 PCB Quick Disconnect Mating: Molex AA-1140
DC Output connector J2	Option-1: Tyco terminal block 1776112-4, 4 pin, Wire : 13 AWG, side entry Option-2: JST : B4P-VH-B-C (LF) (SN), 4 pin, 0.156" Mating Connector: VHR-4M Pins: SVH-41T-P1.1, 20-16 AWG
Size	4"x2"x1.324"
DC Output Connector J3	Molex 2 Position, 0.100 centre header. Part Number 22-23-2021 or Equivalent
Weight	5.3 Oz (150g)

ENVIRONMENTAL SPECIFICATION

Operating Temperature	-20° to 0° C, start up guaranteed Reduce Linearly to 50% Load	-20 to 70° C 51 To 70° C
Storage Temperature		-40 to 85° C
Cooling 5V model All Other models	80W / 100W 100W / 150W	Convection / 300LFM Airflow
Relative humidity	Non condensing	95%, max
MTBF	Bell Core TR332	> 200,000 hrs
Altitude		Operating: 10,000ft Non-Operating: 40,000ft
Vibration	Operating & Non Operating	5-9Hz, 2G PK, 0.5 Oct./min, 2 cycles; 9-500Hz 0.5 Oct./min, 2 cycles.
Transients		EN61000-4-2, 4-3, 4-4, 4-5, 4-6, 4-11 Level 3

Notes

1. Combined output power from V1 & V Fan should not exceed the total output power rating
2. Fan output voltage tolerance is +/- 20%
3. Peak Fan output is 1A

INPUT CONNECTOR J1

Pin1	AC Line
Pin2	AC Neutral

INPUT SPADE CONNECTOR (CLASS-1 product only)

GND	AC Ground
-----	-----------

OUTPUT CONNECTOR J3

Pin1	V fan
Pin2	RTN

OUTPUT CONNECTOR J2

	Single Output
Pin1	V1
Pin2	V1
Pin3	RTN
Pin4	RTN

All EOS power supplies have UL, CSA and Nemko safety compliance and medical versions meet UL60601-1 standards. All our products are RoHS compliant. Visit us at www.eospower.com and contact us at: sales@eospower.com or by calling +1 805-409-0909 today. © 2008, EOS Power. EOS brand power supplies and patents are owned exclusively by EOS Power. All Rights Reserved.



WLT200 Series

New Product

Commercial 200 Watt 3 x 5 Inch AC/DC Power Supplies

The WLT200-Series of Open Frame Power Supplies are ideal for Industrial, data networking, telecommunications, process controls, automation products, multimedia and point of sale products and much more.

Available as a Class 1 OR Class 2 product with many special features available as standard.



Features :

- > 200 W with Forced Air Cooling.
- > Small 3x5x1.5 inch form factor.
- > High efficiency > 88%.
- > 12V Fan O/P
- > 5V Standby O/P
- > O/P Voltage Adjustability
- > Remote Sense

Model Number	Description	Voltage/ Current	Voltage/ Current
		(Convection)	(Fan Cooled)
WLT200-1000	Class 1 with Screw Terminal	5V @ 26A	5V @ 35A
WLT200-1000-2	Class 2 with Screw Terminal		5V @ 26A
WLT200-1300	Class 1 with JST Connector		
WLT200-1300-2	Class 2 with JST Connector		
WLT200-1001	Class 1 with Screw Terminal	12V @ 13.33A	12V @ 16.67A
WLT200-1001-2	Class 2 with Screw Terminal		
WLT200-1301	Class 1 with JST Connector		
WLT200-1301-2	Class 2 with JST Connector		
WLT200-1002	Class 1 with Screw Terminal	15V @ 10.66A	15V @ 13.33A
WLT200-1002-2	Class 2 with Screw Terminal		
WLT200-1302	Class 1 with JST Connector		
WLT200-1302-2	Class 2 with JST Connector		
WLT200-1003	Class 1 with Screw Terminal	24V @ 6.66A	24V @ 8.33A
WLT200-1003-2	Class 2 with Screw Terminal		
WLT200-1303	Class 1 with JST Connector		
WLT200-1303-2	Class 2 with JST Connector		
WLT200-1004	Class 1 with Screw Terminal	48V @ 3.33A	48V @ 4.17A
WLT200-1004-2	Class 2 with Screw Terminal		
WLT200-1304	Class 1 with JST Connector		
WLT200-1304-2	Class 2 with JST Connector		
WLT200-1005	Class 1 with Screw Terminal	30V @ 5.33A	30V @ 6.67A
WLT200-1005-2	Class 2 with Screw Terminal		
WLT200-1305	Class 1 with JST Connector		
WLT200-1305-2	Class 2 with JST Connector		
WLT200-CK	Metal cover-kit accessory		

INPUT SPECIFICATION		
AC Input DC Input	Universal	90 to 264VAC 120 to 390VDC (Reduce to half load at 120VDC Input)
Efficiency	5V Other Models	≥ 83% ≥ 86%
Input Frequency		47-63 Hz
Input Current	Full Load at Low line	3.0Arms , max
Inrush Current	230VAC , cold start	65A, max

OUTPUT SPECIFICATION		
Output Power		200W max
Leakage Current	Typical Values	150 to 220uA
Hold-Up Time	115V/230V	10ms
Peak Power		250W
Line Regulation	Low line to high line	± 0.5%
Load Regulation	Min to Max load	± 2%
Transient Response	50% to full load Voltage Deviation Recovery Time	10%, max <5 ms
OVP	110 –150% of Main o/p Remote ON/OFF reset	Latch Type
Overload Protection	Primary limited	150% of I-Out Max
Short Circuit Protection	Auto recovery <6s	Short Term
Ripple and Noise	Vstby & Main o/p	<2%
Output Rise Time	All outputs	<100ms
Minimum Load	Main o/p Standby o/p	0.0A 0.05A
Power Fail Signal	TTL signal goes low	1ms warning
Power Good Signal	TTL signal goes High after V1 is in regulation	0.1s to 0.5s
Remote Sense	Line Compensation	200mV
Remote on/off	To turn-on PSU, Short Remote pin to GND	Yes
Over temperature Protection	Auto recovery	Yes
Output Adjustability	@ 160W	± 3%
Set point accuracy	Main o/p	Pre-set at ± 1%

All EOS power supplies have UL, CSA and Nemko safety compliance and medical versions meet UL60601-1 standards. All our products are RoHS compliant. Visit us at www.eospower.com and contact us at: sales@eospower.com or by calling +1 805-409-0909 today. © 2008, EOS Power. EOS brand power supplies and patents are owned exclusively by EOS Power. All Rights Reserved.



WLT200 Series

Commercial 200W Forced Air Cooled AC/DC Power Supplies



ENVIRONMENTAL SPECIFICATION

Operating Temperature	-20 to 0° C start-up guaranteed For Convection cooled application, Derate output power to 40% of max. from For Forced air cooled application, Derate output power to 50% of max from	-20 to 70° C 41 to 70° C 51 to 70° C
Storage Temperature		-40 to 85° C
Cooling	Convection @ 40° C (5V model) 300LFM Airflow @ 50° C (5V model)	160W (130W) 200W (175W)
Relative humidity	Non condensing	95%, max
MTBF	Bellcore TR332	> 250,000 hrs Minimum
Altitude		Operating: 10,000ft Non-Operating: 40,000ft
Vibration	Operating & Non Operating	5-9Hz, 2G PK, 0.5 oct./min, 2 cycles; 9-500Hz 0.5 oct./min, 2 cycles.
Transients		EN61000-4-2, 4-4, 4-5, Level 3

EMC AND SAFETY SPECIFICATIONS

CE Mark	Complies with the LVD
EMC	EN5022-B, CISPR22-B, FCC Part 15 Class B, EN60601-1-2
Agency Approval	UL, c-UL, IEC, EN
Harmonic Correction	EN61000-3-2 Class D
Safety Standard	EN60950-1 Ed 2
Safety file number	E340992
Isolation	4.2KVDC Input to Output 2.6KVDC Input to GND
Insulation Resistance	7mOhms Input to Output

INPUT CONNECTOR J1

Pin 1	AC Neutral
Pin2	AC Line

OUTPUT CONNECTOR J2

Pin 1,2,3	RTN
Pin 4,5,6	V1

Earth J4

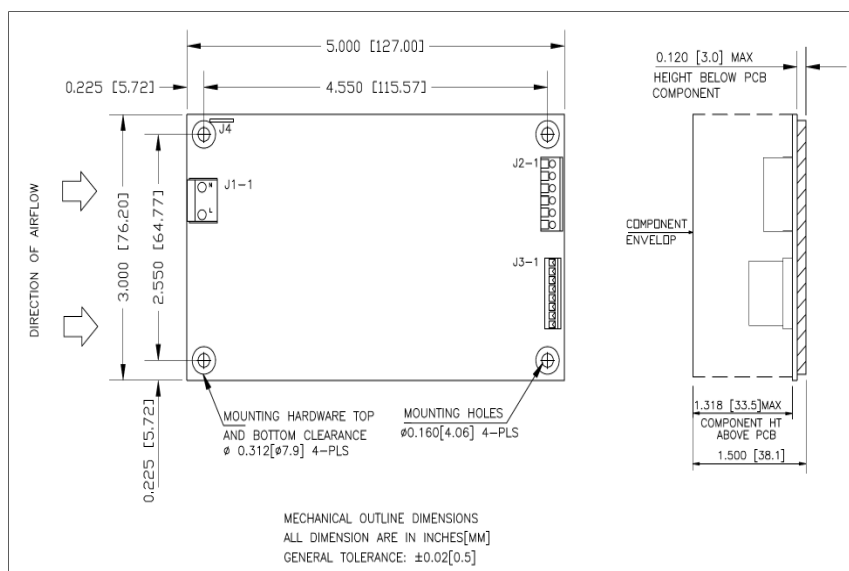
Quick Disconnect

SIGNAL CONNECTOR J3

Pin 1	+ve Remote Sense
Pin 2	Vfan (12V/0.5A)
Pin 3	-ve Remote Sense
Pin 4	Remote On/Off
Pin 5	Vstby (5V/1A, ± 5%)
Pin 6	RTN
Pin 7	Power Fail
Pin 8	Power Good

MECHANICAL SPECIFICATION

AC Input Connector J1	Molex 3 position, 0.156 center 26-60-4030 (Center Pin removed) Mating Connector: Molex 09-50-3031 Pins: 08-50-0106
Ground Connector	Molex 19705-4301 PCB Quick Disconnect Mating: Molex 190030001
DC Output Connector J2 (Screw type terminal)	Tyco, 2 x 3 Pin terminal block, 2-1776112-3, 3.96mm pitch Mating: Side entry wire 13AWG
DC Output Connector J2 (Header Connector)	CONN, HDR, 6 PIN, 0.156", PCB mount, JST p/n: B6P-VH-B-C (LF)(SN) Mating part no: Housing MPN: VHR-6M, Housing, 6pin, 0.156" Pitch Crimp/CONTACT PIN MPN: SVH-41T-P1.1
Signal Connector J3	Molex 8 Position, 0.1" Center, 22-23-2081 Vertical Mating: Molex, 22-01-2087, Pins: 08-50-0113
Size	3 x 5 x 1.5 Inches
Weight	325gms



All EOS power supplies have UL, CSA and Nemko safety compliance and medical versions meet UL60601-1 standards. All our products are RoHS compliant. Visit us at www.eospower.com and contact us at: sales@eospower.com or by calling +1 805-409-0909 today. © 2008, EOS Power. EOS brand power supplies and patents are owned exclusively by EOS Power. All Rights Reserved.



COVER KIT ACCESSORIES

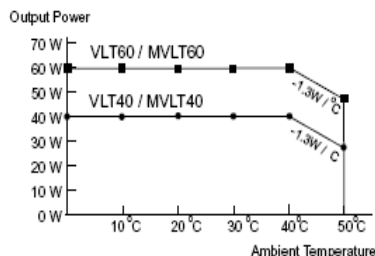
VLT60CK

VLT40,VLT60,MVLT40 AND MVLT60 SERIES

Derating Guidelines

VLT40/MVLT40: Ambient >40°C, derate by 1.3W/°C to 50°C.5CFM recommended to circulate air.

VLT60/MVLT60: Ambient >40°C, derate by 1.3W/°C to 50°C.5CFM recommended to circulate air.



Features :

- > Non Corrosive
- > Easy Assembly
- > Low Weight
- > Fully Safe

Model Number : VLT60CK

Contents

Mounting base
Cover
Insulator
Fixing screws

Cover and Base Material

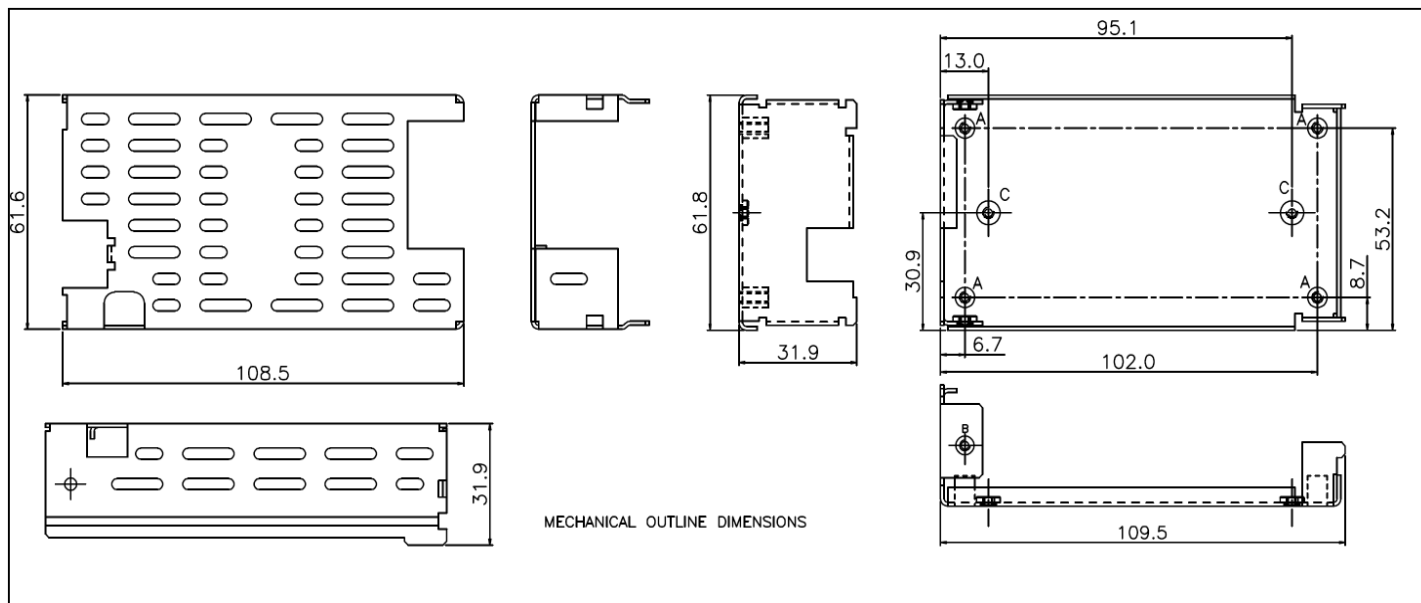
EG (Zintec) 1.0mm

Marked

A: PCBA MTG
B: COVER MTG
C: SYSTEM MTG

All Dimensions are in MM

General Tolerance : ± 0.5



All EOS power supplies have UL, CSA and Nemko safety compliance and medical versions meet UL60601-1 standards. All our products are RoHs compliant. Visit us at www.eospower.com and contact us at: sales@eospower.com or by calling +1 805-409-0909 today. © 2008, EOS Power. EOS brand power supplies and patents are owned exclusively by EOS Power. All Rights Reserved.



COVER KIT ACCESSORIES

VLT80CK

VLT80, VLT100, VLT110, VLT130, MVLT80, MVLT100 & MVLT110

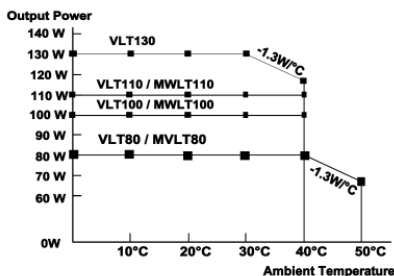
Derating Guidelines

VLT80/MVLT80: Ambient $>40^{\circ}\text{C}$, derate by $1.3\text{W}/^{\circ}\text{C}$ to 50°C , 5CFM recommended to circulate air.

VLT100/MVLT100: It is not recommended to operate with Ambient $>40^{\circ}\text{C}$, 5CFM recommended to circulate air.

VLT110/MVLT110: It is not recommended to operate with Ambient $>40^{\circ}\text{C}$, 5CFM recommended to circulate air.

VLT130: Ambient $>30^{\circ}\text{C}$, derate by $1.3\text{W}/^{\circ}\text{C}$ to 40°C , 25CFM recommended to circulate air.



Features :

- > Non Corrosive
- > Easy Assembly
- > Low Weight
- > Fully Safe

Model Number : VLT80CK

Contents

Mounting base
Cover
Insulator
Fixing screws

Cover and Base Material

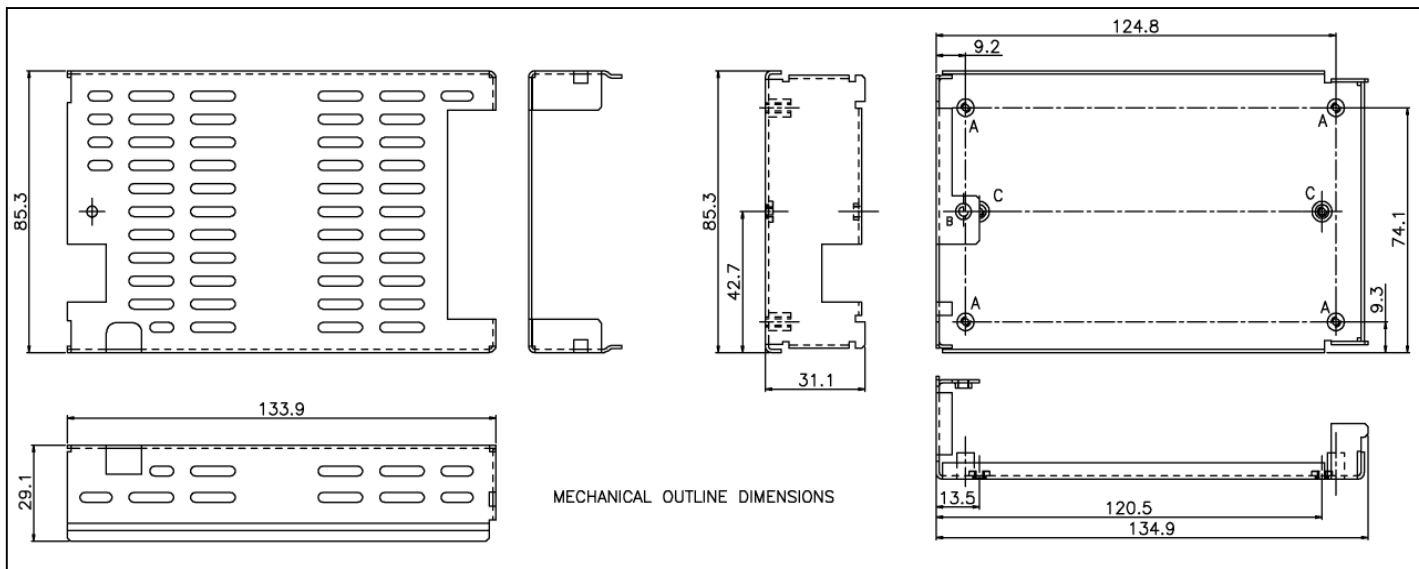
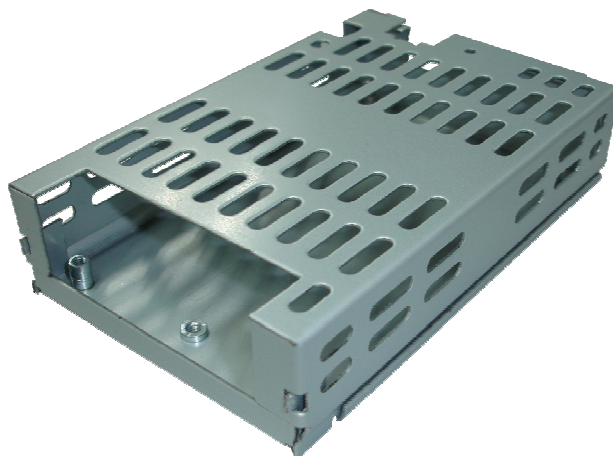
EG (Zintec) 1.0mm

Marked

A: PCBA MTG
B: COVER MTG
C: SYSTEM MTG

All Dimensions are in MM

General Tolerance : ± 0.5



All EOS power supplies have UL, CSA and Nemko safety compliance and medical versions meet UL60601-1 standards. All our products are RoHS compliant. Visit us at www.eospower.com and contact us at: sales@eospower.com or by calling +1 805-409-0909 today. © 2008, EOS Power. EOS brand power supplies and patents are owned exclusively by EOS Power. All Rights Reserved.

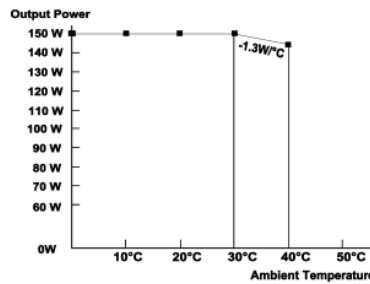


COVER KIT ACCESSORIES

VLT150CK

Derating Guidelines

VLT150: Ambient $>30^{\circ}\text{C}$, derate by $1.3\text{W}/^{\circ}\text{C}$ to 40°C , 5CFM recommended to circulate air.



Features :

- > Non Corrosive
- > Easy Assembly
- > Low Weight
- > Fully Safe

Model Number : VLT150CK

Contents

Mounting base
Cover
Insulator
Fixing screws

Cover and Base Material

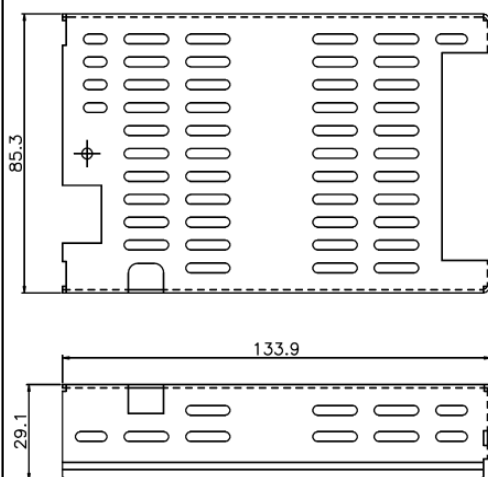
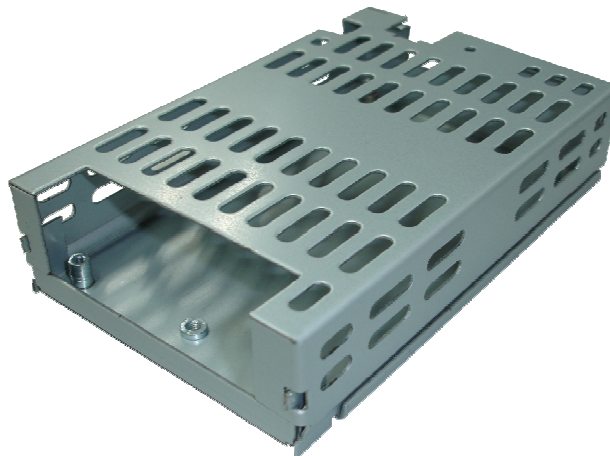
EG (Zintec) 1.0mm

Marked

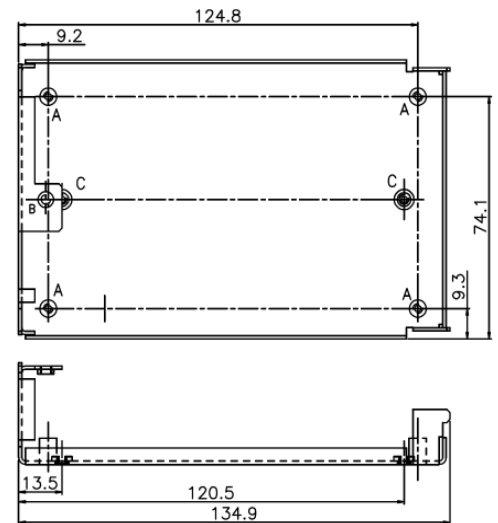
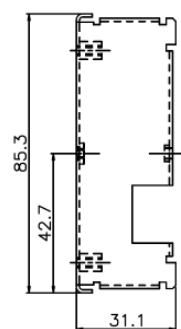
A: PCBA MTG
B: COVER MTG
C: SYSTEM MTG

All Dimensions are in MM

General Tolerance : ± 0.5



MECHANICAL OUTLINE DIMENSIONS



All EOS power supplies have UL, CSA and Nemko safety compliance and medical versions meet UL60601-1 standards. All our products are RoHs compliant. Visit us at www.eospower.com and contact us at: sales@eospower.com or by calling +1 805-409-0909 today. © 2008, EOS Power. EOS brand power supplies and patents are owned exclusively by EOS Power. All Rights Reserved.



COVER KIT ACCESSORIES

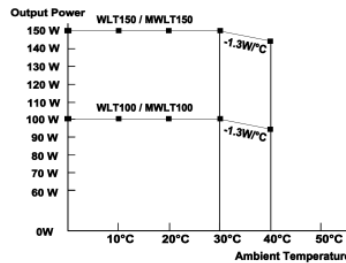
WLT100CK

WLT100, MWLT100, WLT150 AND MWLT150 SERIES

Derating Guidelines

WLT100/MWLT100: Ambient $>30^{\circ}\text{C}$, derate by $1.3\text{W}/^{\circ}\text{C}$ to 40°C . 5CFM recommended to circulate air.

WLT150/MWLT150: Ambient $>30^{\circ}\text{C}$, derate by $1.3\text{W}/^{\circ}\text{C}$ to 40°C . 25CFM recommended to circulate air.



Features :

- > Non Corrosive
- > Easy Assembly
- > Low Weight
- > Fully Safe

Model Number : WLT100CK

Contents

Mounting base
Cover
Insulator
Fixing screws

Cover and Base Material

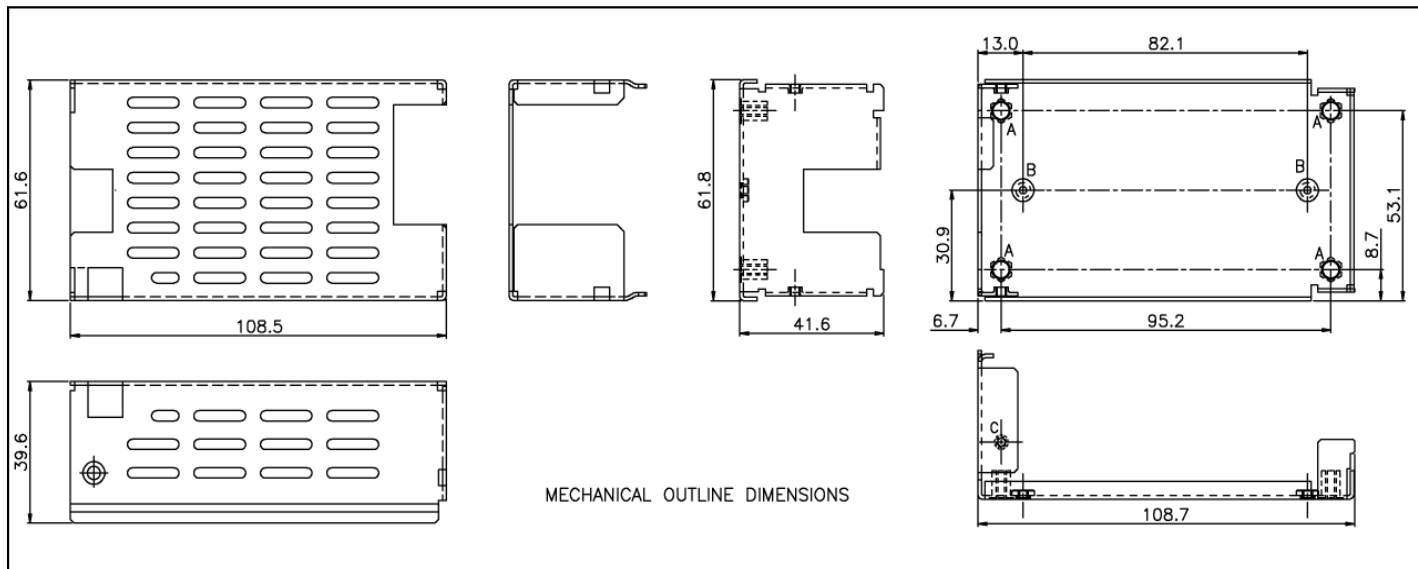
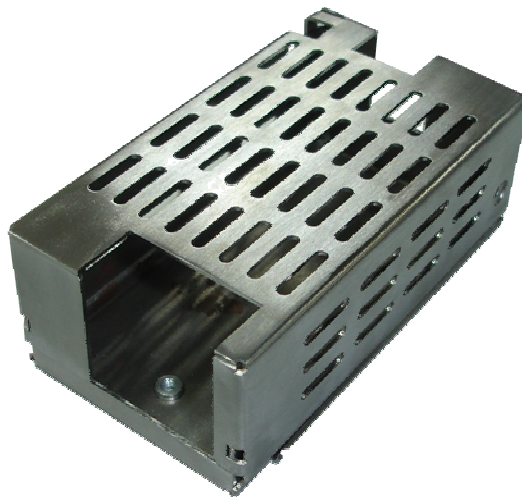
EG (Zintec) 1.0mm

Marked

A: PCBA MTG
B: SYSTEM MTG
C: COVER MTG


All Dimensions are in MM

General Tolerance : ± 0.5



All EOS power supplies have UL, CSA and Nemko safety compliance and medical versions meet UL60601-1 standards. All our products are RoHs compliant. Visit us at www.eospower.com and contact us at: sales@eospower.com or by calling +1 805-409-0909 today. © 2008, EOS Power. EOS brand power supplies and patents are owned exclusively by EOS Power. All Rights Reserved.



The logo for ECOS features the letters 'E' and 'O' in red, and 'C' and 'S' in blue. A red arc curves around the letters, starting from the top of the 'C' and ending at the top of the 'S'.

Features :

- > **Non Corrosive**
- > **Easy Assembly**
- > **Low Weight**
- > **Fully Safe**

STANDARD CABLES CONNECTOR AND AC CORD OPTIONS

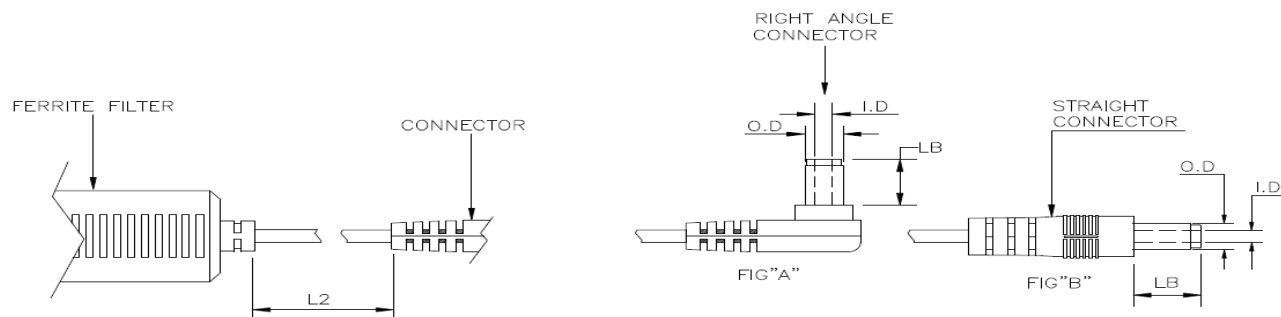
To order a cable and connector, substitute the appropriate suffix below.

Example: The ZVC60NT15D has connector ID of 2.1mm. To receive ID of 2.54mm connector, order ZVC60NT15E.

Note:

All cables are 18GA & black color.

For minimum order & ship quantity consult your sales representative.



P/N:	Suffix	Description	ID (mm)	OD (mm)	LB (mm)	L2 (mm)	Cord Length (Inch)
LF3311	A	2.54mm Straight Barrel	2.54	5.54	9.6	N/A	24"
LF3411	AR	2.54mm Right Angle with ferrite filter	2.54	5.54	9.6	25.4	40"
LF6739	AD	2.54mm Straight Barrel	2.54	5.54	10.16	N/A	52"
LF5949	BD	2.54mm Straight Barrel with ferrite filter	2.54	5.54	10.16	25.4	40"
LF3405	D	2.1mm Right Angle	2.1	5.54	9.6	N/A	40"
LF3406	E**	2.54mm Right Angle **LVC30FS12E, LVC30FS15E, LVC36FS19E, LVC36FS24E, LVC45SG12E, LVC45SG15E, LVC55SG19E, LVC55SG24E, LVC55SG48E, ZVC90NS12E, ZVC90NS15E, ZVC90NS19E, ZVC90NS24E & ZVC90NS48E For listed models we are providing "AR" cord even the model is having "E" suffix of cord & the difference is ferrite filter on o/p cable.	2.54	5.54	9.6	N/A	40"
LF3249	GN	2.1mm Right Angle	2.1	5.54	9.6	N/A	6"
LF7565	BE	2.1mm Straight Barrel with ferrite filter	2.1	5.54	10.16	25.4	40"
LF7412	Z2	2.54mm Straight Barrel with ferrite filter	2.54	5.54	10.16	40	76"
LF7424	E1	2.1mm Right Angle	2.1	5.54	12.3	N/A	40"
LF7570	Z3	2.1mm Straight Barrel	2.1	5.54	10.16	N/A	40"
AC Cord Options							
LF3409		CORD,EURO,AC,C7/C8					
LF5981		CORD,US,AC,C7/C8					
LF7286		CORD,US,3 PIN,MALE-C13,2000MM					
LF7287		CORD,EURO,3PIN,MALE-C13,2000					
LF7288		CORD,EURO,2PIN,MALE-C7,2000					
LF7289		CORD,UK,2PIN,MALE-C7,2000					
LF7290		CORD,UK,3PIN,MALE-C13,2000					

Mechanical Abbreviations:

ID: Inside diameter of the DC barrel connector

OD: Outside diameter of the DC barrel or Hirose connector

LB: Length of the barrel connector

L2: Length between ferrite filter and DC connector

N/A: Not applicable



Medical 300w AC/DC Power supply

WLT300 Series

- 3"x 5" x 1.5" package
- Universal AC Input
- Active PFC (90-264VAC)
- Remote On/Off, Power good, Power fail signal
- 5V Stand by supply, 12 Fan supply
- Built in remote sense function
- 200W with convection & 300W with 300LFM forced cooling
- High efficiency up to 86% typical
- World wide class-1 & 2 safety approvals

Industrial 300w AC/DC Power supply

MWLT300 Series

- 3"x 5" x 1.5" package
- Universal AC Input
- Active PFC (90-264VAC)
- Remote On/Off, Power good, Power fail signal
- 5V Stand by supply, 12 Fan supply
- Built in remote sense function
- 200W with convection & 300W with 300LFM forced cooling
- High efficiency up to 86% typical
- World wide class-1 & 2 safety approvals
- Low leakage current <250μA

Medical 60w AC/DC Power supply

WLT60 Series

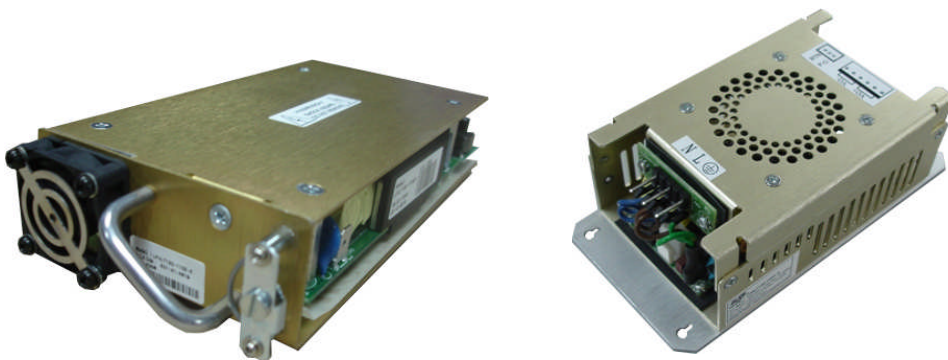
- 60W convection rating
- 3.0"x2.0"x1.1" package
- EN55022 and FCC Part 15 Level B
- EN61000-3-2 compliant
- Ultra high efficiency >85%
- World wide class-1 & 2 safety approvals

Industrial 60w AC/DC Power supply

MWLT60 Series

- 60W convection rating
- 3.0"x2.0"x1.1" package
- EN55022 and FCC Part 15 Level B
- Ultra high efficiency >85%
- World wide class-1 & 2 safety approvals
- Low leakage current <250μA

Value Added Solutions....



notes

notes

notes

Manufacturing Facility in India



Asia Manufacturing Excellence Award (AMEA) 2009 - Frost & Sullivan
Award for "Excellence in Quality" ELCINA - Dun & Bradstreet 2007-08

www.eospower.com

Headquarter

EOS Power USA Inc.
1540 Cornerstone Blvd., Suite 200 # 11
Daytona Beach, FL, 32117
USA
P: +1 386 236 2614
F: +1 386 236 2637
Email: Info@eospower.com
www.eospower.com

India

EOS POWER India Private Ltd.
Unit # 57, SDF II, SEEPZ
Mumbai 400 064, India
P: +91 22 677 44000
F: +91 22 282 90242
Email: India@eospower.com
www.eospower.com

Your Local Partner

