

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	INPUT SPECIFICATION		
							AC Input	Universal	90 to 264V
VLT200-1001	V1	12V	12V	9.2A	16.6A	0A	Efficiency		85% Typical
	Vsb	5V	5V	0.5A	1A	0A	Input Frequency		47-63 Hz
VLT200-1002	V1	15V	15V	7.3A	13.3A	0A	Input Current	Full Load at low line	3.0Arms , max
	Vsb	5V	5V	0.5A	1A	0A	Inrush Current	High Line , cold start	100A,max
VLT200-1003	V1	24V	24V	4.5A	8.3A	0A			
	Vsb	5V	5v	0.5A	1A	0A			
VLT200-1004	V1	48V	48V	2.3A	4.16A	0A			
	Vsb	5V	5V	0.5A	1A	0A			

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	120W/200W
Relative humidity	Non condensing	95%, max
MTBF	Bellcore, TR332	>100,000 hrs

All Red Rocket, Inc. 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.redrocketpower.com and contact us at: sales@redrocketpower.com or by calling +1 805-409-0909 today. © 2008, Red Rocket, Inc. EOS brand power supplies and patents are owned exclusively by Red Rocket, Inc. All Rights Reserved.

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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		125% Vout
Overload Protection	Primary hiccup	220 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

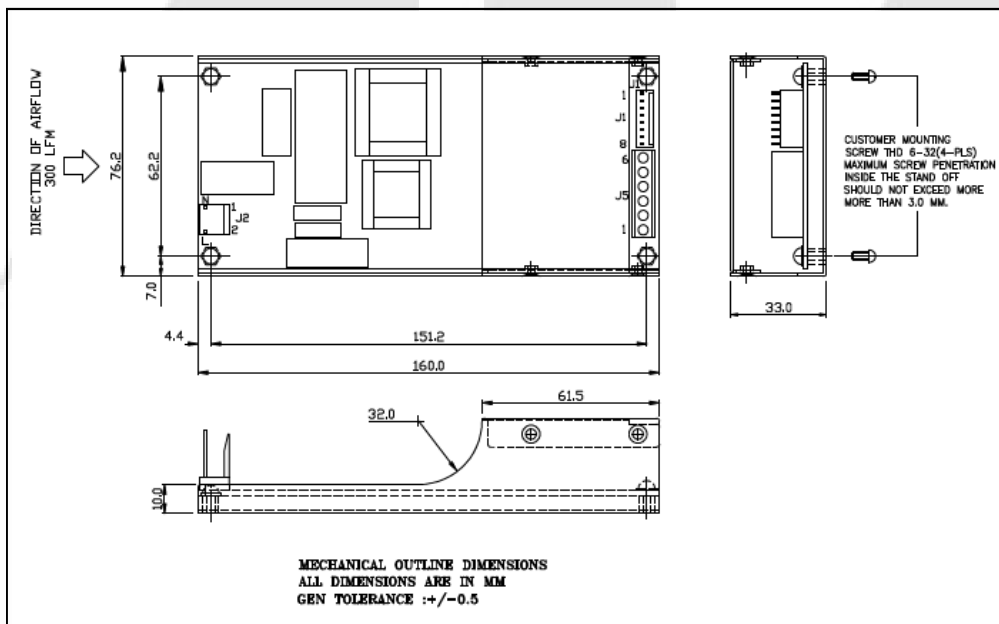
EMC AND SAFETY SPECIFICATIONS	
CE Mark	Complies with the LVD
EMC	EN5022-B,CISPR22-B, FCC Part 15 Class B, EN50082-1
Harmonic Correction	EN61000-3-2Class A&D
Agency Approval	VDE , UL, c-UL,NEMKO
Safety Standard	IEC60950, EN60950,UL60950, CSA ,C22.2 No. 60950 Class 1 SELV
Safety File Number	UL: E136019

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



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