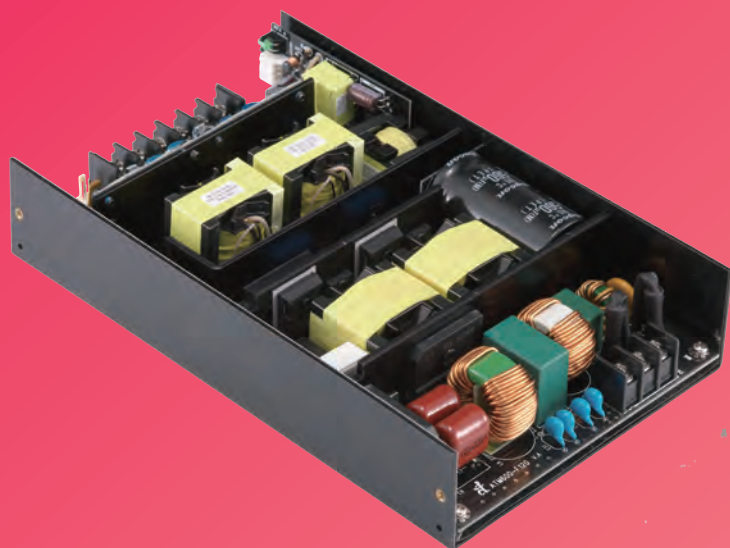




Adapter Technology Co., Ltd.

<http://www.adaptertech.com.tw>

2018



**Switching Adapter
Switching Power Supply
Medical Power Supply
Open Frame Power Supply
Custom-Design**

Background :

Adapter Technology Co., Ltd. was founded in Oct. 2001 and it has become a promising and growing enterprise in the contemporary Power Supply Manufacturing industry. We dedicate to providing reliable quality, flexible service and upgrading technology to meet customer's request. We specialize in AC Adapter, Open Frame Power Supply, LED Driver and Charger with the highest quality. Standard modified and custom design are available.

History :

2001 Established Adapter Technology Co., Ltd in Taipei, Taiwan
2001 Acquired full safety certifications
2003 LITEON IT Approved Vender
2003 Headquarters established in Zhonghe District, Taipei, Taiwan
2004 Implement RoHS and Green Products
2005 Microsoft Approved Vender
2008 Established New China factory in Dongguan Guang Dong, China
2009 Acquired ISO 9001 certification
2009 Acquired ISO 14000 certification
2009 Acquired Sony SPP
2010 Acquired OHSAS 18001
2012 ATM Series Launched: Medical Grade 30W-200W
2013 PSU for Japan Pachinko Slot-Machine Industry
2014 Capital Increased to USD 5 Million
2015 External Power Adapter Line Meet Level VI Efficiency: 5W-300W
2016 I.T.E. External Power Adapter Meet CoC Tier 2 Efficiency: 5W-300W
2016 Medical Grade Power Adapter Meet Level VI Efficiency: 12W-200W
2017 Acquired ISO 13485 for Medical Device Quality Management System
2018 I.T.E. External Power Adapter Acquired IEC/EN/UL 62368-1 Approval

Products :

1. Switching Power Adapter
2. Open Frame Switching Power Supply
3. Medical Power Supply
4. Special Application Power Supply
5. Custom Design



I.T.E.POWER SUPPLY

- 03 5W Series
- 04 12W Series (Wall Mount/Interchangeable/USB connector)
- 06 12W Small Size Series 
- 07 18W Series (Wall Mount/Interchangeable/Desktop)
- 09 24W Series (Wall Mount/Interchangeable/Desktop)
- 11 35W Dual Output
- 12 36W Series (Wall Mount/Interchangeable/Desktop)
- 14 40W Series
- 15 50W Series
- 16 60W Series
- 17 65W Series
- 18 65W Small Size Series
- 19 90W Series
- 20 90W Series (CoC Tier 2)
- 21 90W Small Size Series
- 22 120W Series
- 23 120W Series (CoC Tier 2)
- 24 160W Series
- 25 200W Series
- 26 250W Series
- 27 300W Series

MEDICAL POWER SUPPLY

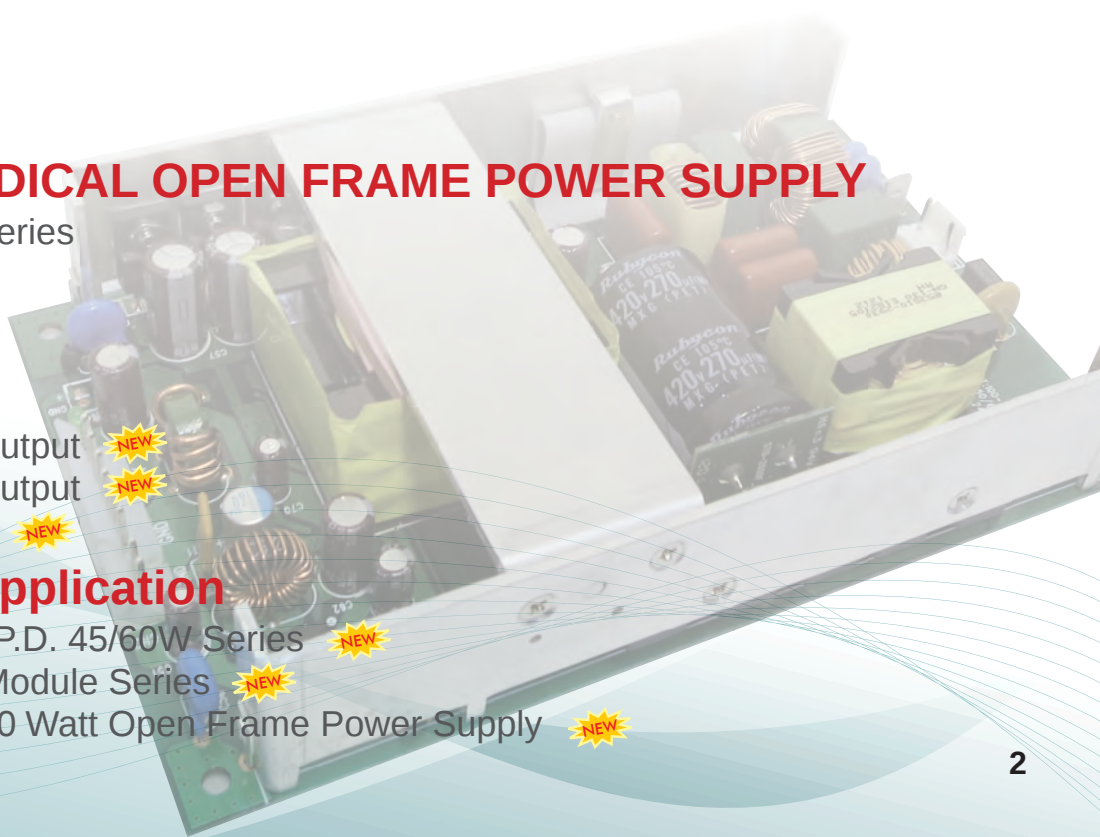
- 28 6W Series
- 29 12W Series (Wall Mount/Interchangeable/USB connector)
- 30 20W Series
- 31 36W Series
- 32 65W Series
- 33 90W Series
- 34 120W Series
- 35 160W Series
- 36 200W Series
- 37 250W Series
- 38 300W Series

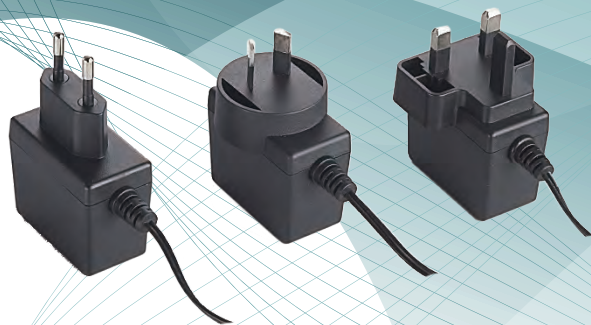
I.T.E / MEDICAL OPEN FRAME POWER SUPPLY

- 39 12W / 24W Series
- 40 65W Series
- 41 120W Series
- 42 150W Series
- 43 200W Series
- 44 210W Dual Output 
- 45 305W Dual Output 
- 46 612W Series 

Special Application

- 47 USB Type-C P.D. 45/60W Series 
- 48 60W Power Module Series 
- 49 Integrated 140 Watt Open Frame Power Supply 





5 Watt Series

Wall Mount Type

USA / Japan / Taiwan / Europe / UK / Australia

ATS005T - W X X X □

O / P Voltage

U : US Plug / JP Plug
E : EU Plug
B : UK Plug
A : AU Plug

Green Mode

CEC, DoE Level VI, Energy Star, ErP Stage 2, CoC Tier 2,
NRCAN & GEMS Level VI
No Load Power Consumption Less Than 0.075W

Features :

- IEC/EN/UL 62368-1 & 60950-1
- 100-240VAC Universal Input
- Single Output to 5W
- Regulated Output With Low Ripple Noise
- Safety Agency Requirements and EMI/EMS Certified
- Private Label Marking Available
- Modified and Custom Design Available
- 1 Year Warranty

Model	O/P Voltage	O/P Current	Watt
ATS005T-W033□	3.3V	1.50A	4.95W
ATS005T-W050□	5.0V	1.00A	5.00W
ATS005T-W051□	5.0V	1.50A	7.50W
ATS005T-W060□	5.9V	1.20A	7.08W
ATS005T-W075□	7.5V	1.00A	7.50W
ATS005T-W090□	9.0V	0.67A	6.03W
ATS005T-W120□	12.0V	0.60A	7.20W
ATS005T-W150□	15.0V	0.50A	7.50W
ATS005T-W180□	18.0V	0.33A	5.94W
ATS005T-W240□	24.0V	0.25A	6.00W

Input

Voltage	100-240VAC
Line Frequency	50-60Hz
Current	0.19A Max.
Protection	Internal Primary Current Fuse
Configuration	U for US Plug / JP Plug E for EU Plug B for UK Plug A for AU Plug

Output

Load Regulation	±5% (Typical)
Ripple & Noise	2% Vp-p Max. for Output Voltage@ Full Load
Transient Response	0.5mS for 50% Load Change Typical
Hold-up Time	10mS @ Full Load
Protection	Short Circuit Protection / Over Voltage Protection / Over Current Protection
DC Cord	22AWG / 20AWG / 18AWG
Ferrite Core	Yes

Safety Approvals

For USA - CB / UL / cUL / FCC / PSE / BSMI / LPS

For Europe & UK - CB / CE / GS / LPS

Electrical

Topology	Switching Flyback
Dielectric Withstand	3000VAC Primary - Secondary
Leakage Current	0.25mA
Efficiency	DoE Level VI, Energy Star, ErP Stage 2, CoC Tier 2, NRCAN & GEMS Level VI Certified
EMC Standards	EN55032 EN61000-3-2,3 EN55024
MTBF	300,000 Calculated Hours at 25°C, by Telcordia SR-332

Environmental

Operating Temperature	0 to + 40°C
Storage Temperature	-20 to + 80°C
Relative Humidity	Operating : 20 to 80% RH Storage : 10 to 90% RH
Cooling	Natural Convection Cooling

Mechanical

Case Dimension	U - L 56 × W 28 × H 59 (mm) E - L 56 × W 28 × H 79 (mm) B - L 56 × W 49 × H 71 (mm) A - L 56 × W 41 × H 68 (mm)
Weight	U : 82g E : 96g B : 100g A : 94g (Ref.)





12 Watt Series

Wall Mount Type
USA / Japan / Taiwan / Europe / UK /
Australia / China

ATS012T - W X X X □

O / P Voltage ←

→ U : US Plug / JP Plug
E : EU Plug
B : UK Plug
A : AU Plug

Green Mode

CEC, DoE Level VI, Energy Star, ErP Stage 2, CoC Tier 2,
NRCan & GEMS Level VI
No Load Power Consumption Less Than 0.075W

Features :

- IEC/EN/UL 62368-1 & 60950-1
- 100-240VAC Universal Input
- Single Output to 12W
- Regulated Output With Low Ripple Noise
- Safety Agency Requirements and EMI/EMS Certified
- Private Label Marking Available
- Modified and Custom Design Available
- 1 Year Warranty

Model	O/P Voltage	O/P Current	Watt
ATS012T-W033□	3.3V	2.00A	6.60W
ATS012T-W050□	5.0V	2.00A	10.00W
ATS012T-W051□	5.0V	2.50A	12.50W
ATS012T-W060□	5.9V	2.00A	11.80W
ATS012T-W084□	8.4V	1.30A	10.92W
ATS012T-W090□	9.0V	1.20A	10.80W
ATS012T-W120□	12.0V	1.00A	12.00W
ATS012T-W135□	13.5V	0.89A	12.00W
ATS012T-W150□	15.0V	0.80A	12.00W
ATS012T-W180□	18.0V	0.67A	12.00W
ATS012T-W240□	24.0V	0.50A	12.00W

Input

Voltage	100-240VAC
Line Frequency	50-60Hz
Current	0.31A Max.
Protection	Internal Primary Current Fuse
Configuration	U for US Plug / JP Plug E for EU Plug B for UK Plug A for AU Plug

Output

Load Regulation	±5% (Typical)
Ripple & Noise	2% Vp-p Max. for Output Voltage@ Full Load
Transient Response	0.5mS for 50% Load Change Typical
Hold-up Time	10mS @ Full Load
Protection	Short Circuit Protection / Over Voltage Protection / Over Current Protection
DC Cord	22AWG / 20AWG / 18AWG
Ferrite Core	Yes

Safety Approvals

For USA - CB / UL / cUL / FCC / PSE / BSMI / LPS

For Europe & UK - CB / CE / GS / LPS

Electrical

Topology	Switching Flyback
Dielectric Withstand	3000VAC Primary - Secondary
Leakage Current	0.25mA
Efficiency	DoE Level VI, Energy Star, ErP Stage 2, CoC Tier 2, NRCan Certified
EMC Standards	EN55032 EN61000-3-2,3 EN55024
MTBF	300,000 Calculated Hours at 25°C , by Telcordia SR-332

Environmental

Operating Temperature	0 to + 40°C
Storage Temperature	-20 to + 80°C
Relative Humidity	Operating : 20 to 80% RH Storage : 10 to 90% RH
Cooling	Natural Convection Cooling

Mechanical

Case Dimension	U - L 72 × W 34 × H 59 (mm) E - L 72 × W 34 × H 80 (mm) B - L 72 × W 50 × H 71 (mm) A - L 72 × W 40 × H 68 (mm)
Weight	U : 126g B : 130g E : 128g A : 126g (Ref.)





12 Watt Series

Wall Mount Type
AC Plug Changeable

ATM012T - W X X X V

O / P Voltage

V : Changeable Plug

Green Mode

CEC, DoE Level VI, Energy Star, ErP Stage 2, CoC Tier 2, NRCAN & GEMS Level VI

No Load Power Consumption Less Than 0.075W

Features :

- IEC/EN/UL 62368-1 & 60950-1
- 100-240VAC Universal Input
- Single Output to 12W
- Regulated Output With Low Ripple Noise
- Safety Agency Requirements and EMI/EMS Certified
- Private Label Marking Available
- Modified and Custom Design Available
- 1 Year Warranty

Model	O/P Voltage	O/P Current	Watt
ATM012T-W033V	3.3V	2.00A	6.60W
ATM012T-W050V	5.0V	2.00A	10.00W
ATM012T-W050□U	5.0V	2.00A	10.00W
ATM012T-W051V	5.0V	3.00A	15.00W
ATM012T-W060V	5.9V	2.00A	11.80W
ATM012T-W062V	6.2V	2.00A	12.40W
ATM012T-W090V	9.0V	1.20A	10.80W
ATM012T-W120V	12.0V	1.00A	12.00W
ATM012T-W150V	15.0V	0.80A	12.00W
ATM012T-W180V	18.0V	0.67A	12.06W
ATM012T-W240V	24.0V	0.50A	12.00W

※ Add suffix □ "U" with USB port

※ □ = U/E/B/A/V

U : US Plug / JP Plug

E : EU Plug

B : UK Plug

A : AU Plug

C : CN Plug

V : Changeable Plug

Input

Voltage	100-240VAC
Line Frequency	50-60Hz
Current	0.32A-0.19A
Protection	Internal Primary Current Fuse

Output

Load Regulation	±5% (Typical)
Ripple & Noise	2% Vp-p Max. for Output Voltage@ Full Load
Transient Response	0.5mS for 50% Load Change Typical
Hold-up Time	10mS @ Full Load
Protection	Short Circuit Protection / Over Voltage Protection / Over Current Protection
DC Cord	22AWG / 20AWG / 18AWG
Ferrite Core	No (Optional)

Safety Approvals

CB / UL / cUL / FCC / GS / CE / PSE / BSMI / CCC / RCM / LPS

Electrical

Topology	Switching Flyback
Dielectric Withstand	3000VAC Primary - Secondary
Leakage Current	0.25mA
Efficiency	DoE Level VI, Energy Star, ErP Stage 2, CoC Tier 2, NRCAN Certified
EMC Standards	EN55032 EN61000-3-2,3 EN55024
MTBF	300,000 Calculated Hours at 25°C , by Telcordia SR-332

Environmental

Operating Temperature	0 to + 40°C
Storage Temperature	-20 to + 80°C
Relative Humidity	Operating : 20 to 80% RH Storage : 10 to 90% RH
Cooling	Natural Convection Cooling

Mechanical

Case Dimension	U - L 80.2 × W 46 × H 57.5(mm)
	E - L 80.2 × W 46 × H 68.7(mm)
	B - L 80.2 × W 49.6 × H 62.7(mm)
	A - L 80.2 × W 56 × H 57.5(mm)
	C - L 80.2 × W 46 × H 57.5(mm)
Weight	V - L 80.2 × W 46 × H 40.5(mm)
	U : 140g E : 145g B : 148g A : 144g C : 140g V : 140g(Ref.)



Level VI



12 Watt Series

Small Size Wall Mount Type
USA / Japan / Taiwan

ATS012S - W X X X U

O / P Voltage

U : US Plug / JP Plug

Green Mode

CEC, DoE Level VI

No Load Power Consumption Less Than 0.1W

Features :

- IEC/UL 62368-1 & 60950-1
- Smaller size of 65.4 x 33.8 x 25.4(mm)
- 100-240VAC Universal Input
- Single Output to 12W
- Safety Agency Requirements and EMI/EMS Certified
- Private Label Marking Available
- Modified and Custom Design Available
- 1 Year Warranty

Model	O/P Voltage	O/P Current	Watt
ATS012S-W033U	3.3V	2.00A	6.60W
ATS012S-W050U	5.0V	2.00A	10.00W
ATS012S-W060U	5.9V	2.00A	11.80W
ATS012S-W090U	9.0V	1.20A	10.80W
ATS012S-W120U	12.0V	1.00A	12.00W
ATS012S-W150U	15.0V	0.80A	12.00W
ATS012S-W240U	24.0V	0.50A	12.00W

Input

Voltage	100-240VAC
Line Frequency	50-60Hz
Current	0.31A Max.
Protection	Internal Primary Resistor Fuse
Configuration	U for US Plug / JP Plug

Output

Load Regulation	±5% (Typical)
Ripple & Noise	3% Vp-p Max. for Output Voltage@ Full Load
Transient Response	0.5mS for 50% Load Change Typical
Hold-up Time	5mS @ Full Load
Protection	Short Circuit Protection / Over Voltage Protection / Over Current Protection
DC Cord	24AWG / 22AWG / 20AWG / 18AWG
Ferrite Core	No (Optional)

Safety Approvals

CB / UL / cUL / FCC / PSE / BSMI / LPS

Electrical

Topology	Switching Flyback
Dielectric Withstand	3000VAC Primary - Secondary
Leakage Current	0.25mA
Efficiency	DoE Level VI Certified
EMC Standards	FCC CFR 47, Part 15 Subpart B
	CISPR 22 3rd Edition : 1997, Class B
	ANSI C63.4 : 2014
	Canadian ICES-003 issue 6 (2016) Class B
MTBF	300,000 Calculated Hours at 25°C , by Telcordia SR-332

Environmental

Operating Temperature	0 to + 40°C
Storage Temperature	-20 to + 80°C
Relative Humidity	Operating : 20 to 80% RH
	Storage : 10 to 90% RH
Cooling	Natural Convection Cooling

Mechanical

Case Dimension	L 65.4 × W 33.8 × H 25.4 (mm)
Weight	66g (Ref.)

18 Watt Series

Wall Mount Type
USA / Japan / Taiwan / Europe / UK / Australia /
China / AC Plug Changeable

ATS018T - W X X X □

O / P Voltage

U : US Plug / JP Plug
E : EU Plug
B : UK Plug
A : AU Plug
C : CN Plug
V : Changeable Plug

Green Mode

CEC, DoE Level VI, Energy Star, ErP Stage 2, CoC Tier 2,
NRCan & GEMS Level VI
No Load Power Consumption Less Than 0.075W

Features :

- IEC/EN/UL 62368-1 & 60950-1
- 100-240VAC Universal Input
- Single Output to 18W
- Regulated Output With Low Ripple Noise
- Safety Agency Requirements and EMI/EMS Certified
- Private Label Marking Available
- Modified and Custom Design Available
- 1 Year Warranty

Model	O/P Voltage	O/P Current	Watt
ATS018T-W050□	5.0V	3.00A	15.00W
ATS018T-W060□	5.9V	2.50A	14.75W
ATS018T-W061□	5.9V	3.00A	17.70W
ATS018T-W070□	7.0V	2.50A	17.50W
ATS018T-W075□	7.5V	2.50A	18.75W
ATS018T-W090□	9.0V	2.20A	19.80W
ATS018T-W100□	10.0V	1.90A	19.00W
ATS018T-W110□	11.0V	1.60A	17.60W
ATS018T-W120□	12.0V	1.60A	19.20W
ATS018T-W150□	15.0V	1.30A	19.50W
ATS018T-W160□	16.0V	1.20A	19.20W
ATS018T-W180□	18.0V	1.10A	19.80W
ATS018T-W240□	24.0V	0.80A	19.20W

Input

Voltage	100-240VAC	
Line Frequency	50-60Hz	
Current	0.48A Max.	
Protection	Internal Primary Current Fuse	
Configuration	U for US Plug / JP Plug	A for AU Plug
	E for EU Plug	C for CN Plug
	B for UK Plug	
	V for Changeable Plug	

Output

Load Regulation	±5% (Typical)
Ripple & Noise	2% Vp-p Max. for Output Voltage@ Full Load
Transient Response	0.5mS for 50% Load Change Typical
Hold-up Time	10mS @ Full Load
Protection	Short Circuit Protection / Over Voltage Protection / Over Current Protection
DC Cord	22AWG / 20AWG / 18AWG / 16AWG
Ferrite Core	No (Optional)

Safety Approvals

For USA - CB / UL / cUL / FCC / PSE / BSMI / LPS
For Europe & UK - CB / CE / GS / LPS
For Australia - CB / RCM / LPS
For China - CB / CCC / LPS

Electrical

Topology	Switching Flyback
Dielectric Withstand	3000VAC Primary - Secondary
Leakage Current	0.25mA
Efficiency	DoE Level VI, Energy Star, ErP Stage 2, CoC Tier 2, NRCan & GEMS Level VI Certified
EMC Standards	EN55032
	EN61000-3-2,3
	EN55024
MTBF	300,000 Calculated Hours at 25°C , by Telcordia SR-332

Environmental

Operating Temperature	0 to + 40°C
Storage Temperature	-20 to + 80°C
Relative Humidity	Operating : 20 to 80% RH Storage : 10 to 90% RH
Cooling	Natural Convection Cooling

Mechanical

Case Dimension	U & C - L 72 x W 34 x H 69 (mm)	
	E - L 72 x W 34 x H 90 (mm)	
	B - L 72 x W 50 x H 81 (mm)	
	A - L 72 x W 40 x H 78 (mm)	
	V - L 75 x W 36 x H 66 (mm)	
Weight	U : 148g	A : 150g
	E : 154g	C : 148g
	B : 158g	V : 158g (Ref.)

18 Watt - Series

Desktop Type



ATS018T - □ X X X

P : C6 / C14

A : C8

O / P Voltage

Green Mode

CEC, DoE Level VI, Energy Star, ErP Stage 2, CoC Tier 2, NRCan & GEMS Level VI

No Load Power Consumption Less Than 0.075W

Features :

- IEC/EN/UL 62368-1 & 60950-1
- 100-240VAC Universal Input
- Single Output to 18W
- Regulated Output With Low Ripple Noise
- Safety Agency Requirements and EMI/EMS Certified
- Private Label Marking Available
- Modified and Custom Design Available
- 1 Year Warranty

Model	O/P Voltage	O/P Current	Watt
ATS018T-□050	5.0V	3.00A	15.00W
ATS018T-□060	5.9V	2.50A	14.75W
ATS018T-□061	5.9V	3.00A	17.70W
ATS018T-□070	7.0V	2.50A	17.50W
ATS018T-□075	7.5V	2.50A	18.75W
ATS018T-□090	9.0V	2.20A	19.80W
ATS018T-□100	10.0V	1.90A	19.00W
ATS018T-□110	11.0V	1.60A	17.60W
ATS018T-□120	12.0V	1.60A	19.20W
ATS018T-□150	15.0V	1.30A	19.50W
ATS018T-□160	16.0V	1.20A	19.20W
ATS018T-□180	18.0V	1.10A	19.80W
ATS018T-□240	24.0V	0.80A	19.20W

Input

Voltage	100-240VAC
Line Frequency	50-60Hz
Current	0.48A Max.
Protection	Internal Primary Current Fuse
Configuration	IEC60320/C6,C8,C14

Output

Load Regulation	±5% (Typical)
Ripple & Noise	2% Vp-p Max. for Output Voltage@ Full Load
Transient Response	0.5mS for 50% Load Change Typical
Hold-up Time	10mS @ Full Load
Protection	Short Circuit Protection / Over Voltage Protection / Over Current Protection
DC Cord	22AWG / 20AWG / 18AWG / 16AWG
Ferrite Core	No (Optional)

Safety Approvals

CB / UL / cUL / FCC / GS / CE / PSE / BSMI / CCC / RCM / LPS

Electrical

Topology	Switching Flyback
Dielectric Withstand	3000VAC Primary - Secondary
Leakage Current	0.25mA @ 2Pin / 3.5mA @ 3Pin
Efficiency	DoE Level VI, Energy Star, ErP Stage 2, CoC Tier 2, NRCan & GEMS Level VI Certified
EMC Standards	EN55032 EN61000-3-2,3 EN55024
MTBF	300,000 Calculated Hours at 25°C, by Telcordia SR-332

Environmental

Operating Temperature	0 to + 40°C
Storage Temperature	-20 to + 80°C
Relative Humidity	Operating : 20 to 80% RH Storage : 10 to 90% RH
Cooling	Natural Convection Cooling

Mechanical

Case Dimension	C6 & C14 : L100 x W50 x H33(mm) C8 : L88 x W50 x H34(mm)
Weight	144g (Ref.)

24 Watt Series

Wall Mount Type

USA / Japan / Taiwan / Europe / UK / Australia /
China / AC Plug Changeable

ATS024T - W X X X □

O / P Voltage

U : US Plug / JP Plug
E : EU Plug
B : UK Plug
A : AU Plug
C : CN Plug
V : Changeable Plug

Green Mode

CEC, DoE Level VI, Energy Star, ErP Stage 2, CoC Tier 2,
NRCan & GEMS Level VI
No Load Power Consumption Less Than 0.075W

Features :

- IEC/EN/UL 62368-1 & 60950-1
- 100-240VAC Universal Input
- Single Output to 24W
- Regulated Output With Low Ripple Noise
- Safety Agency Requirements and EMI/EMS Certified
- Private Label Marking Available
- Modified and Custom Design Available
- 1 Year Warranty

Model	O/P Voltage	O/P Current	Watt
ATS024T-W050□	5.0V	4.00A	20.00W
ATS024T-W060□	5.9V	3.50A	20.65W
ATS024T-W061□	5.9V	4.00A	23.60W
ATS024T-W070□	7.0V	3.00A	21.00W
ATS024T-W075□	7.5V	3.00A	22.50W
ATS024T-W090□	9.0V	2.50A	22.50W
ATS024T-W120□	12.0V	2.00A	24.00W
ATS024T-W150□	15.0V	1.60A	24.00W
ATS024T-W240□	24.0V	1.00A	24.00W
ATS024T-W480□	48.0V	0.50A	24.00W

Input

Voltage	100-240VAC	
Line Frequency	50-60Hz	
Current	0.58A Max.	
Protection	Internal Primary Current Fuse	
Configuration	U for US Plug / JP Plug	A for AU Plug
	E for EU Plug	C for CN Plug
	B for UK Plug	
	V for Changeable Plug	

Output

Load Regulation	±5% (Typical)
Ripple & Noise	2% Vp-p Max. for Output Voltage@ Full Load
Transient Response	0.5mS for 50% Load Change Typical
Hold-up Time	10mS @ Full Load
Protection	Short Circuit Protection / Over Voltage Protection / Over Current Protection
DC Cord	22AWG / 20AWG / 18AWG / 16AWG
Ferrite Core	No (Optional)

Safety Approvals

For USA - CB / UL / cUL / FCC / PSE / BSMI / LPS

For Europe & UK - CB / CE / GS / LPS

For Australia - CB / RCM / LPS

For China - CB / CCC / LPS

Electrical

Topology	Switching Flyback
Dielectric Withstand	3000VAC Primary - Secondary
Leakage Current	0.25mA
Efficiency	DoE Level VI, Energy Star, ErP Stage 2, CoC Tier 2, NRCan & GEMS Level VI Certified
EMC Standards	EN55032
	EN61000-3-2,3
	EN55024
MTBF	300,000 Calculated Hours at 25°C , by Telcordia SR-332

Environmental

Operating Temperature	0 to + 40°C
Storage Temperature	-20 to + 80°C
Relative Humidity	Operating : 20 to 80% RH Storage : 10 to 90% RH
Cooling	Natural Convection Cooling

Mechanical

Case Dimension	U & C - L 72 x W 34 x H 69 (mm)	
	E - L 72 x W 34 x H 90 (mm)	
	B - L 72 x W 50 x H 81 (mm)	
	A - L 72 x W 40 x H 78 (mm)	
	V - L 75 x W 36 x H 66 (mm)	
Weight	U : 148g	A : 150g
	E : 154g	C : 148g
	B : 158g	V : 158g (Ref.)





24 Watt Series

Desktop Type

ATS024T - □ X X X

P : C6 / C14 ← O / P Voltage
A : C8

Green Mode

CEC, DoE Level VI, Energy Star, ErP Stage 2, CoC Tier 2, NRCan & GEMS Level VI
No Load Power Consumption Less Than 0.075W

Features :

- IEC/EN/UL 62368-1 & 60950-1
- 100-240VAC Universal Input
- Single Output to 24W
- Regulated Output With Low Ripple Noise
- Safety Agency Requirements and EMI/EMS Certified
- Private Label Marking Available
- Modified and Custom Design Available
- 1 Year Warranty

Model	O/P Voltage	O/P Current	Watt
ATS024T-□050	5.0V	4.00A	20.00W
ATS024T-□060	5.9V	3.50A	20.65W
ATS024T-□061	5.9V	4.00A	23.60W
ATS024T-□070	7.0V	3.00A	21.00W
ATS024T-□075	7.5V	3.00A	22.50W
ATS024T-□090	9.0V	2.50A	22.50W
ATS024T-□120	12.0V	2.00A	24.00W
ATS024T-□150	15.0V	1.60A	24.00W
ATS024T-□240	24.0V	1.00A	24.00W
ATS024T-□480	48.0V	0.50A	24.00W

Input

Voltage	100-240VAC
Line Frequency	50-60Hz
Current	0.58A Max.
Protection	Internal Primary Current Fuse
Configuration	IEC60320/C6,C8,C14

Output

Load Regulation	±5% (Typical)
Ripple & Noise	2% Vp-p Max. for Output Voltage@ Full Load
Transient Response	0.5mS for 50% Load Change Typical
Hold-up Time	10mS @ Full Load
Protection	Short Circuit Protection / Over Voltage Protection / Over Current Protection
DC Cord	22AWG / 20AWG / 18AWG / 16AWG
Ferrite Core	No (Optional)

Safety Approvals

CB / UL / cUL / FCC / GS / CE / PSE / BSMI / CCC / RCM / LPS

Electrical

Topology	Switching Flyback
Dielectric Withstand	3000VAC Primary - Secondary
Leakage Current	0.25mA @ 2Pin / 3.5mA @ 3Pin
Efficiency	DoE Level VI, Energy Star, ErP Stage 2, CoC Tier 2, NRCan & GEMS Level VI Certified
EMC Standards	EN55032 EN61000-3-2,3 EN55024
MTBF	300,000 Calculated Hours at 25°C , by Telcordia SR-332

Environmental

Operating Temperature	0 to + 40°C
Storage Temperature	-20 to + 80°C
Relative Humidity	Operating : 20 to 80% RH Storage : 10 to 90% RH
Cooling	Natural Convection Cooling

Mechanical

Case Dimension	C6 & C14 : L100 x W50 x H33(mm) C8 : L88 x W50 x H34(mm)
Weight	166g (Ref.)



35 Watt Dual Output

Desktop Type

Green Mode

DoE Level VI

No Load Power Consumption Less Than 0.3W

Features :

- 100-240VAC Universal Input
- Dual Output
- Regulated Output With Low Ripple Noise
- Safety Agency Requirements and EMI/EMS Certified
- Private Label Marking Available
- Modified and Custom Design Available
- 1 Year Warranty

NO.	Model	O/P Voltage	O/P Current	Watt
1	STD-1253-1	5.0V	2.00A	35W
		12.0V	2.10A	

Input

Voltage	100-240VAC
Line Frequency	50-60Hz
Current	1A Max.
Protection	Internal Primary Current Fuse
Configuration	IEC60320/C8

Output

Load Regulation	5V : $\pm 6\%$, 12V : $\pm 10\%$
Ripple & Noise	2% Vp-p Max. for Output Voltage@ Full Load
Transient Response	0.5mS for 50% Load Change Typical
Hold-up Time	10mS @ Full Load
Protection	Short Circuit Protection / Over Voltage Protection / Over Current Protection / Over Temperature Protection
DC Cord	20AWG
Ferrite Core	No (Optional)

Safety Approvals

UL / cUL / FCC / CE

Electrical

Topology	Switching Flyback
Dielectric Withstand	3000VAC Primary - Secondary
Leakage Current	0.25mA
EMC Standards	EN55032
	EN61000-3-2,3
	EN55024
MTBF	300,000 Calculated Hours at 25°C , by Telcordia SR-332

Environmental

Operating Temperature	0 to + 40°C
Storage Temperature	-20 to + 80°C
Relative Humidity	Operating : 20 to 80% RH
	Storage : 10 to 90% RH
Cooling	Natural Convection Cooling

Mechanical

Case Dimension	L 95 × W 58 × H 34 (mm)
Weight	242g (Ref.)

36 Watt Series

Wall Mount Type

USA / Japan / Taiwan / Europe / UK / Australia / China

AC Plug Changeable

ATS036T - W X X X □

O / P Voltage

U : US Plug / JP Plug

E : EU Plug

B : UK Plug

A : AU Plug

C : CN Plug

V : Changeable Plug

Green Mode

CEC, DoE Level VI, Energy Star, ErP Stage 2, CoC Tier 2, NRCan & GEMS Level VI

No Load Power Consumption Less Than 0.075W

Features :

- IEC/EN/UL 62368-1 & 60950-1
- 100-240VAC Universal Input
- Single Output to 36W
- Regulated Output With Low Ripple Noise
- Safety Agency Requirements and EMI/EMS Certified
- Private Label Marking Available
- Modified and Custom Design Available
- 1 Year Warranty

Model	O/P Voltage	O/P Current	Watt
ATS036T-W050□	5.0V	5.00A	25W
ATS036T-W075□	7.5V	4.00A	30W
ATS036T-W085□	8.5V	3.52A	30W
ATS036T-W090□	9.0V	3.34A	30W
ATS036T-W120□	12.0V	3.00A	36W
ATS036T-W121□	12.0V	2.50A	30W
ATS036T-W122U	12.0V	3.00A	36W
ATS036T-W123U	12.0V	2.50A	30W
ATS036T-W135□	13.5V	2.66A	36W
ATS036T-W150□	15.0V	2.40A	36W
ATS036T-W160□	16.0V	2.25A	36W
ATS036T-W180□	18.0V	2.00A	36W
ATS036T-W240□	24.0V	1.50A	36W
ATS036T-W480□	48.0V	0.75A	36W

Input

Voltage	100-240VAC	
Line Frequency	50-60Hz	
Current	1A Max.	
Protection	Internal Primary Current Fuse	
Configuration	U for US Plug / JP Plug	B for UK Plug
	E for EU Plug	A for AU Plug
	C for CN Plug	
	V for Changeable Plug	

Output

Load Regulation	±5% (Typical)
Ripple & Noise	2% Vp-p Max. for Output Voltage@ Full Load
Transient Response	0.5mS for 50% Load Change Typical
Hold-up Time	10mS @ Full Load
Protection	Short Circuit Protection / Over Voltage Protection / Over Current Protection
DC Cord	22AWG / 20AWG / 18AWG / 16AWG
Ferrite Core	No (Optional)

Safety Approvals

For USA - CB / UL / cUL / FCC / PSE / BSMI / LPS

For Europe & UK - CB / CE / GS / LPS

For Australia - CB / RCM / LPS

For China - CB / CCC / LPS

Electrical

Topology	Switching Flyback
Dielectric Withstand	3000VAC Primary - Secondary
Leakage Current	0.25mA
Efficiency	DoE Level VI, Energy Star, ErP Stage 2, CoC Tier 2, NRCan & GEMS Level VI Certified
EMC Standards	EN55032
	EN61000-3-2,3
	EN55024
MTBF	300,000 Calculated Hours at 25°C, by Telcordia SR-332

Environmental

Operating Temperature	0 to + 40°C
Storage Temperature	-20 to + 80°C
Relative Humidity	Operating : 20 to 80% RH Storage : 10 to 90% RH
Cooling	Natural Convection Cooling

Mechanical

Case Dimension	U - L 79 x W 34 x H 74 (mm)
	U - L 75 x W 34 x H 71.4 (mm) (ATS036T-W122U & ATS036T-W123U)
	E - L 79 x W 34 x H 94 (mm)
	B - L 79 x W 49 x H 86 (mm)
	A - L 79 x W 41 x H 82 (mm)
	V - L 79 x W 35 x H 66 (mm)
Weight	160g (Ref.)
	180g (Ref.) (ATS036T-W122U & ATS036T-W123U)





36 Watt Series

Desktop Type

ATS036T - ☐ X X X

P : C14
A : C8

O / P Voltage

Green Mode

CEC, DoE Level VI, Energy Star, ErP Stage 2, CoC Tier 2, NRCAN & GEMS Level VI

No Load Power Consumption Less Than 0.075W

Features :

- IEC/EN/UL 62368-1 & 60950-1
- 100-240VAC Universal Input
- Single Output to 36W
- Regulated Output With Low Ripple Noise
- Safety Agency Requirements and EMI/EMS Certified
- Private Label Marking Available
- Modified and Custom Design Available
- 1 Year Warranty

Model	O/P Voltage	O/P Current	Watt
ATS036T-□050	5.0V	5.00A	25W
ATS036T-□075	7.5V	4.00A	30W
ATS036T-□085	8.5V	3.52A	30W
ATS036T-□090	9.0V	3.34A	30W
ATS036T-□120	12.0V	3.00A	36W
ATS036T-□121	12.0V	2.50A	30W
ATS036T-□135	13.5V	2.66A	36W
ATS036T-□150	15.0V	2.40A	36W
ATS036T-□160	16.0V	2.25A	36W
ATS036T-□180	18.0V	2.00A	36W
ATS036T-□240	24.0V	1.50A	36W
ATS036T-□480	48.0V	0.75A	36W

Input

Voltage	100-240VAC
Line Frequency	50-60Hz
Current	1A Max.
Protection	Internal Primary Current Fuse
Configuration	IEC60320/C8,C14

Output

Load Regulation	±5% (Typical)
Ripple & Noise	2% Vp-p Max. for Output Voltage@ Full Load
Transient Response	0.5mS for 50% Load Change Typical
Hold-up Time	10mS @ Full Load
Protection	Short Circuit Protection / Over Voltage Protection / Over Current Protection
DC Cord	22AWG / 20AWG / 18AWG / 16AWG
Ferrite Core	No (Optional)

Safety Approvals

CB / UL / cUL / FCC / GS / CE / PSE / BSMI / CCC / RCM / LPS

Electrical

Topology	Switching Flyback
Dielectric Withstand	3000VAC Primary - Secondary
Leakage Current	0.25mA @ 2Pin / 3.5mA @ 3Pin
Efficiency	DoE Level VI, Energy Star, ErP Stage 2, CoC Tier 2, NRCAN & GEMS Level VI Certified
EMC Standards	EN55032
	EN61000-3-2,3
	EN55024
MTBF	300,000 Calculated Hours at 25°C , by Telcordia SR-332

Environmental

Operating Temperature	0 to + 40°C
Storage Temperature	-20 to + 80°C
Relative Humidity	Operating : 20 to 80% RH
	Storage : 10 to 90% RH
Cooling	Natural Convection Cooling

Mechanical

Case Dimension	C14 - L 100 x W 50 x H 33 (mm)
	C8 - L 99 x W 50 x H 33 (mm)
Weight	210g (Ref.)

40 Watt Series

Small Size Desktop Type

ATS040T - □ X X X

P : C6 / C14 ← O / P Voltage
A : C8

Green Mode

CEC, DoE Level VI, Energy Star, ErP Stage 2, CoC Tier 2 & GEMS Level VI

No Load Power Consumption Less Than 0.075W

Features :

- IEC/EN/UL 62368-1 & 60950-1
- 100-240VAC Universal Input
- Single Output to 40W
- Regulated Output With Low Ripple Noise
- Safety Agency Requirements and EMI/EMS Certified
- Private Label Marking Available
- Modified and Custom Design Available
- 1 Year Warranty

Model	O/P Voltage	O/P Current	Watt
ATS040T-□120	12.0V	3.30A	40W
ATS040T-□150	15.0V	2.67A	40W
ATS040T-□190	19.0V	2.10A	40W
ATS040T-□200	20.0V	2.00A	40W
ATS040T-□240	24.0V	1.67A	40W
ATS048T-A480	48.0V	1.00A	48W

Input

Voltage	100-240VAC
Line Frequency	50-60Hz
Current	1A Max. / 1.2A Max. for ATS048T-A480
Protection	Internal Primary Current Fuse
Configuration	IEC60320/C6,C8,C14

Output

Load Regulation	±5% (Typical)
Ripple & Noise	2% Vp-p Max. for Output Voltage@ Full Load
Transient Response	0.5mS for 50% Load Change Typical
Hold-up Time	10mS @ Full Load
Protection	Short Circuit Protection / Over Voltage Protection / Over Current Protection
DC Cord	20AWG / 18AWG
Ferrite Core	No (Optional)

Safety Approvals

CB / UL / cUL / FCC / GS / CE / PSE / BSMI / CCC / RCM / LPS

Electrical

Topology	Switching Flyback
Dielectric Withstand	3000VAC Primary - Secondary
Leakage Current	0.25mA @ 2Pin / 3.5mA @ 3Pin
Efficiency	DoE Level VI, Energy Star, ErP Stage 2, CoC Tier 2 & GEMS Level VI Certified
EMC Standards	EN55032
	EN61000-3-2,3
	EN55024
MTBF	300,000 Calculated Hours at 25°C , by Telcordia SR-332

Environmental

Operating Temperature	0 to + 40°C
Storage Temperature	-20 to + 80°C
Relative Humidity	Operating : 20 to 80% RH
	Storage : 10 to 90% RH
Cooling	Natural Convection Cooling

Mechanical

Case Dimension	L 99 x W 33 x H 50 (mm)
Weight	200g (Ref.)



50 Watt Series

Desktop Type

ATS050T - □ X X X

P : C6 / C14 ← O / P Voltage
A : C8

Green Mode

CEC, DoE Level VI, Energy Star, ErP Stage 2, CoC Tier 2, NRCan & GEMS Level VI

No Load Power Consumption Less Than 0.15W

Features :

- IEC/EN/UL 62368-1 & 60950-1
- 100-240VAC Universal Input
- Single Output to 50W
- Regulated Output With Low Ripple Noise
- Safety Agency Requirements and EMI/EMS Certified
- Private Label Marking Available
- Modified and Custom Design Available
- 1 Year Warranty

Model	O/P Voltage	O/P Current	Watt
ATS050-P050	5.0V	10.00A	50W
ATS050T-□090	9.0V	4.00A	36W
ATS050T-□091	9.0V	5.00A	45W
ATS050T-□120	12.0V	3.30A	40W
ATS050T-□121	12.0V	4.20A	50W
ATS050T-□135	13.5V	3.71A	50W
ATS050T-□150	15.0V	3.34A	50W
ATS050T-□180	18.0V	2.78A	50W
ATS050T-□190	19.0V	2.64A	50W
ATS050T-□240	24.0V	2.10A	50W
ATS050T-□480	48.0V	1.05A	50W

Input

Voltage	100-240VAC
Line Frequency	50-60Hz
Current	1.2A Max.
Protection	Internal Primary Current Fuse
Configuration	IEC60320/C6,C8,C14



ATS050-P050

Output

Load Regulation	±5% (Typical)
Ripple & Noise	2% Vp-p Max. for Output Voltage@ Full Load
Transient Response	0.5mS for 50% Load Change Typical
Hold-up Time	10mS @ Full Load
Protection	Short Circuit Protection / Over Voltage Protection / Over Current Protection
DC Cord	20AWG / 18AWG / 16AWG
Ferrite Core	Yes

Safety Approvals

CB / UL / cUL / FCC / GS / CE / PSE / BSMI / CCC / RCM / LPS
CB / UL / cUL / FCC / GS / CE / PSE for ATS050-P050

Electrical

Topology	Switching Flyback
Dielectric Withstand	3000VAC Primary - Secondary
Leakage Current	0.25mA @ 2Pin / 3.5mA @ 3Pin
Efficiency	DoE Level VI, Energy Star, ErP Stage 2, CoC Tier 2, NRCan & GEMS Level VI Certified
EMC Standards	EN55032 EN61000-3-2,3 EN55024
MTBF	300,000 Calculated Hours at 25°C , by Telcordia SR-332

Environmental

Operating Temperature	0 to + 40°C
Storage Temperature	-20 to + 80°C
Relative Humidity	Operating : 20 to 80% RH Storage : 10 to 90% RH
Cooling	Natural Convection Cooling

Mechanical

Case Dimension	L115 x W53 x H38 (mm) L139 x W61 x H36 (mm) (ATS050-P050)
Weight	310g (Ref.) 332g (ATS050-P050) (Ref.)



60 Watt Series

Wall Mount Type
USA / Japan / Taiwan / Europe

ATS060T - W X X X □

O / P Voltage ←

→ U : US Plug / JP Plug
E : EU Plug

Green Mode

CEC, DoE Level VI, Energy Star, ErP Stage 2, CoC Tier 2,
NRCan & GEMS Level VI
No Load Power Consumption Less Than 0.15W

Features :

- IEC/EN/UL 62368-1 & 60950-1
- 100-240VAC Universal Input
- Single Output to 60W
- Regulated Output With Low Ripple Noise
- Safety Agency Requirements and EMI/EMS Certified
- Private Label Marking Available
- Modified and Custom Design Available
- 1 Year Warranty

Model	O/P Voltage	O/P Current	Watt
ATS060T-W120□	12.0V	5.00A	60W
ATS060T-W150□	15.0V	4.00A	60W
ATS060T-W180□	18.0V	3.33A	60W
ATS060T-W190□	19.0V	3.15A	60W
ATS060T-W240□	24.0V	2.50A	60W
ATS060T-W300□	30.0V	2.00A	60W
ATS060T-W480□	48.0V	1.25A	60W

Input

Voltage	100-240VAC
Line Frequency	50-60Hz
Current	1.5A Max.
Protection	Internal Primary Current Fuse
Configuration	U for US Plug / JP Plug E for EU Plug

Output

Load Regulation	±5% (Typical)
Ripple & Noise	1% Vp-p Max. for Output Voltage@ Full Load
Transient Response	0.5mS for 50% Load Change Typical
Hold-up Time	10mS @ Full Load
Protection	Short Circuit Protection / Over Voltage Protection / Over Current Protection
DC Cord	20AWG / 18AWG / 16AWG
Ferrite Core	Yes

Safety Approvals

For USA - CB / UL / cUL / FCC / PSE / BSMI / LPS
For Europe - CB / CE / LPS

Electrical

Topology	Switching Flyback
Dielectric Withstand	3000VAC Primary - Secondary
Leakage Current	0.25mA
Efficiency	DoE Level VI, Energy Star, ErP Stage 2, CoC Tier 2, NRCan & GEMS Level VI Certified
EMC Standards	EN55032 EN61000-3-2,3 EN55024
MTBF	300,000 Calculated Hours at 25°C, by Telcordia SR-332

Environmental

Operating Temperature	0 to + 40°C
Storage Temperature	-20 to + 80°C
Relative Humidity	Operating : 20 to 80% RH Storage : 10 to 90% RH
Cooling	Natural Convection Cooling

Mechanical

Case Dimension	U - L 95 x W 35.5 x H 77 (mm) E - L 95 x W 35.5 x H 92 (mm)
Weight	275g (Ref.)



65 Watt Series

Desktop Type

ATS065T - □ X X X

P : C6 / C14 O / P Voltage
A : C8

Green Mode

CEC, DoE Level VI, Energy Star, ErP Stage 2, CoC Tier 2, NRCan & GEMS Level VI
No Load Power Consumption Less Than 0.15W

Features :

- IEC/EN/UL 62368-1 & 60950-1
- 100-240VAC Universal Input
- Regulated Output With Low Ripple Noise
- Safety Agency Requirements and EMI/EMS Certified
- Private Label Marking Available
- Modified and Custom Design Available
- 1 Year Warranty

Model	O/P Voltage	O/P Current	Watt
ATS065T-□120	12.0V	5.00A	60W
ATS065T-□135	13.5V	4.82A	65W
ATS065T-□150	15.0V	4.34A	65W
ATS065T-□160	16.0V	4.07A	65W
ATS065T-□180	18.0V	3.62A	65W
ATS065T-□190	19.0V	3.43A	65W
ATS065T-□200	20.0V	3.25A	65W
ATS065T-□240	24.0V	2.71A	65W
ATS065T-□241(*)	24.0V	2.71A	65W
ATS065T-P 242(*)	24.0V	2.71A	65W
ATS072T-□240	24.0V	3.00A	72W
ATS065T-□300	30.0V	2.17A	65W
ATS065T-□320	32.0V	2.04A	65W
ATS065T-□321(*)	32.0V	2.04A	65W
ATS065T-□480	48.0V	1.36A	65W
ATS065T-□560	56.0V	1.17A	65W

(*) With peak current design

ATS065T-□241 with peak current 11.0A

ATS065T- P242 with peak current 11.0A

ATS065T-□321 with peak current 3.9A

Input

Voltage	100-240VAC
Line Frequency	50-60Hz
Current	1.4A Max. for 65W / 1.6A Max. for 72W
Protection	Internal Primary Current Fuse
Configuration	IEC60320/C6,C8,C14

Output

Load Regulation	±5% (Typical)
Ripple & Noise	1% Vp-p Max. for Output Voltage@ Full Load
Transient Response	0.5mS for 50% Load Change Typical
Hold-up Time	10mS @ Full Load
Protection	Short Circuit Protection / Over Voltage Protection / Over Current Protection
DC Cord	22AWG / 20AWG / 18AWG / 16AWG
Ferrite Core	Yes

Safety Approvals

CB / UL / cUL / FCC / GS / CE / PSE / BSMI / CCC / RCM / LPS

Electrical

Topology	Switching Flyback
Dielectric Withstand	3000VAC Primary - Secondary
Leakage Current	0.25mA @ 2Pin / 3.5mA @ 3Pin
Efficiency	DoE Level VI, Energy Star, ErP Stage 2, CoC Tier 2, NRCan & GEMS Level VI Certified
EMC Standards	EN55032 EN61000-3-2,3 EN55024
MTBF	300,000 Calculated Hours at 25°C , by Telcordia SR-332

Environmental

Operating Temperature	0 to + 40°C
Storage Temperature	-20 to + 80°C
Relative Humidity	Operating : 20 to 80% RH Storage : 10 to 90% RH
Cooling	Natural Convection Cooling

Mechanical

Case Dimension	L115 x W53 x H38 (mm)
Weight	310g (Ref.)



65 Watt Series

Small Size Desktop Type

ATS065S - P X X X

P : C6 ← → O / P Voltage



Green Mode

CEC, DoE Level VI, Energy Star, ErP Stage 2, NRCan
No Load Power Consumption Less Than 0.21W

Features :

- IEC/EN/UL 62368-1 & 60950-1
- Smaller size of 108 x 46 x 32mm
- 100-240VAC Universal Input
- Single Output to 65W
- Regulated Output With Low Ripple Noise
- Safety Agency Requirements and EMI/EMS Certified
- Private Label Marking Available
- Modified and Custom Design Available
- 1 Year Warranty

Model	O/P Voltage	O/P Current	Watt
ATS065S-P150	15.0V	4.34A	65W
ATS065S-P160	16.0V	4.07A	65W
ATS065S-P180	18.0V	3.62A	65W
ATS065S-P185	18.5V	3.52A	65W
ATS065S-P190	19.0V	3.43A	65W
ATS065S-P200	20.0V	3.25A	65W
ATS065S-P240	24.0V	2.71A	65W

Input

Voltage	100-240VAC
Line Frequency	50-60Hz
Current	1.4A Max.
Protection	Internal Primary Current Fuse
Configuration	IEC60320/C6

Output

Load Regulation	±5% (Typical)
Ripple & Noise	1% Vp-p Max. for Output Voltage@ Full Load
Transient Response	0.5mS for 50% Load Change Typical
Hold-up Time	10mS @ Full Load
Protection	Short Circuit Protection / Over Voltage Protection / Over Current Protection
DC Cord	18AWG / 16AWG
Ferrite Core	No(Optional)

Safety Approvals

CB / UL / cUL / FCC / GS / CE / PSE / BSMI / CCC / RCM / LPS

Electrical

Topology	Switching Flyback
Dielectric Withstand	3000VAC Primary - Secondary
Leakage Current	3.5mA @ 3Pin
Efficiency	DoE Level VI , Energy Star , ErP Stage 2 & NRCan Certified
EMC Standards	EN55032 EN61000-3-2,3 EN55024
MTBF	300,000 Calculated Hours at 25°C , by Telcordia SR-332

Environmental

Operating Temperature	0 to + 40°C
Storage Temperature	-20 to + 80°C
Relative Humidity	Operating : 20 to 80% RH Storage : 10 to 90% RH
Cooling	Natural Convection Cooling

Mechanical

Case Dimension	L 108 x W 46 x H 32 (mm)
Weight	248g (Ref.)

90 Watt Series

Desktop Type

ATS090 - P X X X

P : C6 / C14 ← → O / P Voltage

Green Mode

CEC, DoE Level VI, Energy Star, ErP Stage 2, NRCan & GEMS Level VI

No Load Power Consumption Less Than 0.21W

Features :

- IEC/EN/UL 62368-1 & 60950-1
- 100-240VAC Universal Input
- Single Output to 90W
- Regulated Output With Low Ripple Noise
- Safety Agency Requirements and EMI/EMS Certified
- Private Label Marking Available
- Modified and Custom Design Available
- 1 Year Warranty

Model	O/P Voltage	O/P Current	Watt
ATS090-P120	12.0V	7.00A	84W
ATS090-P150	15.0V	6.00A	90W
ATS090-P160	16.0V	5.63A	90W
ATS090-P180	18.0V	5.00A	90W
ATS090-P190	19.0V	4.74A	90W
ATS090-P200	20.0V	4.50A	90W
ATS090-P240	24.0V	3.75A	90W
ATS090-P300	30.0V	3.00A	90W
ATS090-P480	48.0V	1.88A	90W
ATS090-P560	56.0V	1.60A	90W

Input

Voltage	100-240VAC
Line Frequency	50-60Hz
Current	1.2A Max.
Protection	Internal Primary Current Fuse
Configuration	IEC60320/C6,C14

Output

Load Regulation	±5% (Typical)
Ripple & Noise	1% Vp-p Max. for Output Voltage@ Full Load
Transient Response	0.5mS for 50% Load Change Typical
Hold-up Time	10mS @ Full Load
Protection	Short Circuit Protection / Over Voltage Protection / Over Current Protection
DC Cord	20AWG / 18AWG / 16AWG
Ferrite Core	Yes

Safety Approvals

CB / UL / cUL / FCC / GS / CE / PSE / BSMI / CCC / RCM / LPS

Electrical

Topology	Switching Flyback
Dielectric Withstand	3000VAC Primary - Secondary
Leakage Current	3.5mA @ 3Pin
Efficiency	DoE Level VI, Energy Star, ErP Stage 2, NRCan & GEMS Level VI Certified
EMC Standards	EN55032 EN61000-3-2,3 EN55024
MTBF	300,000 Calculated Hours at 25°C, by Telcordia SR-332

Environmental

Operating Temperature	0 to + 40°C
Storage Temperature	-20 to + 80°C
Relative Humidity	Operating : 20 to 80% RH Storage : 10 to 90% RH
Cooling	Natural Convection Cooling

Mechanical

Case Dimension	C6 - L 139 × W 61 × H 36 (mm) C14 - L 151 × W 64 × H 36 (mm)
Weight	460g (Ref.)

90 Watt Series

Desktop Type

ATS090T - P X X X

P : C6 / C14 ← → O / P Voltage

Green Mode

CEC, DoE Level VI, Energy Star, ErP Stage 2, CoC Tier 2, NRCAN & GEMS Level VI

No Load Power Consumption Less Than 0.15W

Features :

- IEC/EN/UL 62368-1 & 60950-1
- 100-240VAC Universal Input
- Single Output to 90W
- Regulated Output With Low Ripple Noise
- Safety Agency Requirements and EMI/EMS Certified
- Private Label Marking Available
- Modified and Custom Design Available
- 1 Year Warranty

Model	O/P Voltage	O/P Current	Watt
ATS090T-P120	12.0V	7.00A	84W
ATS090T-P150	15.0V	6.00A	90W
ATS090T-P160	16.0V	5.63A	90W
ATS090T-P180	18.0V	5.00A	90W
ATS090T-P190	19.0V	4.74A	90W
ATS090T-P200	20.0V	4.50A	90W
ATS090T-P240	24.0V	3.75A	90W
ATS090T-P300	30.0V	3.00A	90W
ATS090T-P480	48.0V	1.88A	90W
ATS090T-P560	56.0V	1.60A	90W

Input

Voltage	100-240VAC
Line Frequency	50-60Hz
Current	1.2A Max.
Protection	Internal Primary Current Fuse
Configuration	IEC60320/C6,C14

Output

Load Regulation	±5% (Typical)
Ripple & Noise	1% Vp-p Max. for Output Voltage@ Full Load
Transient Response	0.5mS for 50% Load Change Typical
Hold-up Time	10mS @ Full Load
Protection	Short Circuit Protection / Over Voltage Protection / Over Current Protection
DC Cord	18AWG / 16AWG / 14AWG
Ferrite Core	Yes

Safety Approvals

CB / UL / cUL / FCC / GS / CE / PSE / BSMI / LPS

Electrical

Topology	Switching Flyback
Dielectric Withstand	3000VAC Primary - Secondary
Leakage Current	3.5mA @ 3Pin
Efficiency	DoE Level VI, Energy Star, ErP Stage 2, CoC Tier 2, NRCAN & GEMS Level VI Certified
EMC Standards	EN55032 EN61000-3-2,3 EN55024
MTBF	300,000 Calculated Hours at 25°C, by Telcordia SR-332

Environmental

Operating Temperature	0 to + 40°C
Storage Temperature	-20 to + 80°C
Relative Humidity	Operating : 20 to 80% RH Storage : 10 to 90% RH
Cooling	Natural Convection Cooling

Mechanical

Case Dimension	C6 - L 139 × W 61 × H 36 (mm) C14 - L 151 × W 64 × H 36 (mm)
Weight	460g (Ref.)



90 Watt Series

Small Size Desktop Type

STD - X X X ◇ ◇

O / P Voltage ←

→ O / P Current



Green Mode

CEC , DoE Level VI , Energy Star , ErP Stage 2 , NRCan
No Load Power Consumption Less Than 0.21W

Features :

- IEC/EN/UL 62368-1 & 60950-1
- Smaller size of 129 x 54 x 32mm
- 100-240VAC Universal Input
- Single Output to 90W
- Regulated Output With Low Ripple Noise
- Safety Agency Requirements and EMI/EMS Certified
- Private Label Marking Available
- Modified and Custom Design Available
- 1 Year Warranty

Model	O/P Voltage	O/P Current	Watt
STD-15060	15.0V	6.00A	90W
STD-16056	16.0V	5.60A	90W
STD-18050	18.0V	5.00A	90W
STD-19047	19.0V	4.74A	90W
STD-20045	20.0V	4.50A	90W
STD-24037	24.0V	3.75A	90W

Input

Voltage	100-240VAC
Line Frequency	50-60Hz
Current	1.2A Max.
Protection	Internal Primary Current Fuse
Configuration	IEC60320/C6

Output

Load Regulation	±5% (Typical)
Ripple & Noise	1% Vp-p Max. for Output Voltage @ Full Load
Transient Response	0.5mS for 50% Load Change Typical
Hold-up Time	10mS @ Full Load
Protection	Short Circuit Protection / Over Voltage Protection / Over Current Protection
DC Cord	18AWG / 16AWG
Ferrite Core	Yes

Safety Approvals

CB / UL / cUL / FCC / GS / CE / PSE / BSMI / LPS

Electrical

Topology	Switching Flyback
Dielectric Withstand	3000VAC Primary - Secondary
Leakage Current	3.5mA @ 3Pin
Efficiency	DoE Level VI , Energy Star , ErP Stage 2 & NRCan Certified
	EN55032
EMC Standards	EN61000-3-2,3
	EN55024
MTBF	300,000 Calculated Hours at 25°C , by Telcordia SR-332

Environmental

Operating Temperature	0 to + 40°C
Storage Temperature	-20 to + 80°C
Relative Humidity	Operating : 20 to 80% RH Storage : 10 to 90% RH
Cooling	Natural Convection Cooling

Mechanical

Case Dimension	L 129 × W 54 × H 32 (mm)
Weight	340g (Ref.)



120 Watt Series

Desktop Type

STD - X X X ◇ ◇

O / P Voltage ←

→ O / P Current

Green Mode

CEC, DoE Level VI, Energy Star, ErP Stage 2, NRCAN & GEMS Level VI

No Load Power Consumption Less Than 0.21W

Features :

- IEC/EN/UL 62368-1 & 60950-1
- 100-240VAC Universal Input
- Single Output to 120W
- Regulated Output With Low Ripple Noise
- Safety Agency Requirements and EMI/EMS Certified
- Private Label Marking Available
- Modified and Custom Design Available
- 1 Year Warranty

Model	O/P Voltage	O/P Current	Watt
STD-12090	12.0V	9.00A	108W
STD-15080	15.0V	8.00A	120W
STD-16075	16.0V	7.50A	120W
STD-18066	18.0V	6.60A	120W
STD-19063	19.0V	6.30A	120W
STD-20060	20.0V	6.00A	120W
STD-24050	24.0V	5.00A	120W
STD-30040	30.0V	4.00A	120W
STD-48025	48.0V	2.50A	120W
STD-56021	56.0V	2.15A	120W

Input

Voltage	100-240VAC
Line Frequency	50-60Hz
Current	1.6A Max.
Protection	Internal Primary Current Fuse
Configuration	IEC60320/C6, C14

Output

Load Regulation	±5% (Typical)
Ripple & Noise	1% Vp-p Max. for Output Voltage @ Full Load
Transient Response	0.5mS for 50% Load Change Typical
Hold-up Time	10mS @ Full Load
Protection	Short Circuit Protection / Over Voltage Protection / Over Current Protection / Over Temperature Protection
DC Cord	18AWG/16AWG/14AWG
Ferrite Core	Yes

Safety Approvals

CB / UL / cUL / FCC / GS / CE / PSE / BSMI / RCM / CCC

Electrical

Topology	Switching Flyback
Dielectric Withstand	3000VAC Primary - Secondary
Leakage Current	3.5mA @ 3Pin
Efficiency	DoE Level VI, Energy Star, ErP Stage 2, NRCAN & GEMS Level VI Certified
EMC Standards	EN55032 EN61000-3-2,3 EN55024
MTBF	300,000 Calculated Hours at 25°C , by Telcordia SR-332

Environmental

Operating Temperature	0 to + 40°C
Storage Temperature	-20 to + 80°C
Relative Humidity	Operating : 20 to 80% RH Storage : 10 to 90% RH
Cooling	Natural Convection Cooling

Mechanical

Case Dimension	L 168 × W 66 × H 39 (mm)
Weight	590g (Ref.)



120 Watt Series

Desktop Type

ATS120T - P X X X

P : C6 / C14 ← → O / P Voltage

Green Mode

CEC, DoE Level VI, Energy Star, ErP Stage 2, CoC Tier 2, NRCan & GEMS Level VI
No Load Power Consumption Less Than 0.15W

Features :

- IEC/EN/UL 62368-1 & 60950-1
- 100-240VAC Universal Input
- Single Output to 120W
- Regulated Output With Low Ripple Noise
- Safety Agency Requirements and EMI/EMS Certified
- Private Label Marking Available
- Modified and Custom Design Available
- 1 Year Warranty

Model	O/P Voltage	O/P Current	Watt
ATS120T-P120	12.0V	9.00A	108W
ATS120T-P150	15.0V	8.00A	120W
ATS120T-P160	16.0V	7.50A	120W
ATS120T-P180	18.0V	6.60A	120W
ATS120T-P190	19.0V	6.30A	120W
ATS120T-P200	20.0V	6.00A	120W
ATS120T-P240	24.0V	5.00A	120W
ATS120T-P300	30.0V	4.00A	120W
ATS120T-P480	48.0V	2.50A	120W
ATS120T-P560	56.0V	2.14A	120W

Input

Voltage	100-240VAC
Line Frequency	50-60Hz
Current	1.6A Max.
Protection	Internal Primary Current Fuse
Configuration	IEC60320/C6, C14

Output

Load Regulation	±5% (Typical)
Ripple & Noise	1% Vp-p Max. for Output Voltage @ Full Load
Transient Response	0.5mS for 50% Load Change Typical
Hold-up Time	10mS @ Full Load
Protection	Short Circuit Protection / Over Voltage Protection / Over Current Protection / Over Temperature Protection
DC Cord	18AWG/16AWG/14AWG
Ferrite Core	Yes

Safety Approvals

CB / UL / cUL / FCC / GS / CE / PSE / BSMI

Electrical

Topology	Switching Flyback
Dielectric Withstand	3000VAC Primary - Secondary
Leakage Current	3.5mA @ 3Pin
Efficiency	DoE Level VI, Energy Star, ErP Stage 2, CoC Tier 2, NRCan & GEMS Level VI Certified
EMC Standards	EN55032 EN61000-3-2,3 EN55024
MTBF	300,000 Calculated Hours at 25°C , by Telcordia SR-332

Environmental

Operating Temperature	0 to + 40°C
Storage Temperature	-20 to + 80°C
Relative Humidity	Operating : 20 to 80% RH Storage : 10 to 90% RH
Cooling	Natural Convection Cooling

Mechanical

Case Dimension	L 168 × W 66 × H 39 (mm)
Weight	590g (Ref.)



160 Watt Series

Desktop Type

ATS160T - P X X X

P : C6 / C14 ← → O / P Current



Green Mode

CEC, DoE Level VI, Energy Star, ErP Stage 2, CoC Tier 2, NRCAN & GEMS Level VI

No Load Power Consumption Less Than 0.15W

Features :

- IEC/EN/UL 62368-1 & 60950-1
- 100-240VAC Universal Input
- Single Output to 160W
- Regulated Output With Low Ripple Noise
- Safety Agency Requirements and EMI/EMS Certified
- Private Label Marking Available
- Modified and Custom Design Available
- 1 Year Warranty

Safety Approvals

CB / UL / cUL / FCC / GS / CE / PSE / BSMI / RCM / CCC

Electrical

Topology	LLC
Dielectric Withstand	3000VAC Primary - Secondary
Leakage Current	3.5mA @ 3Pin
Efficiency	DoE Level VI, Energy Star, ErP Stage 2, CoC Tier 2, NRCAN & GEMS Level VI Certified
EMC Standards	EN55032 EN61000-3-2,3 EN55024
MTBF	300,000 Calculated Hours at 25°C , by Telcordia SR-332

Environmental

Operating Temperature	0 to + 40°C
Storage Temperature	-20 to + 80°C
Relative Humidity	Operating : 20 to 80% RH Storage : 10 to 90% RH
Cooling	Natural Convection Cooling

Mechanical

Case Dimension	L 175 × W 74 × H 42 (mm)
Weight	700g (Ref.)

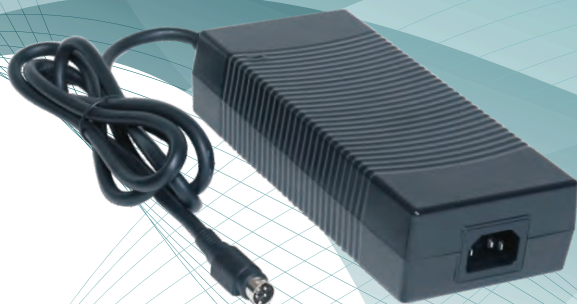
Model	O/P Voltage	O/P Current	Watt
ATS160T-P120	12.0V	12.50A	150W
ATS160T-P150	15.0V	10.00A	150W
ATS160T-P190	19.0V	8.40A	160W
ATS160T-P240	24.0V	6.60A	160W
ATS160T-P480	48.0V	3.30A	160W
ATS160T-P560	56.0V	2.86A	160W

Input

Voltage	100-240VAC
Line Frequency	50-60Hz
Current	2.2A Max.
Protection	Internal Primary Current Fuse
Configuration	IEC60320/C6, C14

Output

Load Regulation	±5% (Typical)
Ripple & Noise	1% Vp-p Max. for Output Voltage @ Full Load
Transient Response	0.5mS for 50% Load Change Typical
Hold-up Time	10mS @ Full Load
Protection	Short Circuit Protection / Over Voltage Protection / Over Current Protection / Over Temperature Protection
DC Cord	UL 2095 / UL 2464 / 16AWG / 18AWG
Ferrite Core	No (Optional)



200 Watt Series

Desktop Type

ATS200T - P X X X

P : C14

O / P Current



Green Mode

CEC, DoE Level VI, Energy Star, ErP Stage 2, CoC Tier 2, NRCan & GEMS Level VI

No Load Power Consumption Less Than 0.15W

Features :

- IEC/EN/UL 62368-1 & 60950-1
- 100-240 VAC Universal Input
- Single Output to 200W
- Regulated Output with Low Ripple Noise
- Safety Agency Requirements and EMI/EMS Certified
- Private Label Marking Available
- Modified and Custom Design Available
- 1 Year Warranty

Safety Approvals

CB / UL / cUL / FCC / GS / CE / PSE / BSMI / CCC / RCM

Electrical

Topology	LLC
Dielectric Withstand	3000VAC Primary - Secondary
Leakage Current	3.5mA @ 3Pin
Efficiency	DoE Level VI, Energy Star, ErP Stage 2, CoC Tier 2, NRCan & GEMS Level VI Certified
EMC Standards	EN55032
	EN61000-3-2,3
	EN55024
MTBF	300,000 Calculated Hours at 25°C , by Telcordia SR-332

Environmental

Operating Temperature	0 to + 40°C
Storage Temperature	-20 to + 80°C
Relative Humidity	Operating : 20 to 80% RH
	Storage : 10 to 90% RH
Cooling	Natural Convection Cooling

Mechanical

Case Dimension	L 183 × W 81 × H 42 (mm)
Weight	850g (Ref.)

Model	O/P Voltage	O/P Current	Watt
ATS200T-P120	12.0V	16.00A	192W
ATS200T-P135	13.5V	14.00A	189W
ATS200T-P190	19.0V	10.50A	200W
ATS200T-P240	24.0V	8.30A	200W
ATS200T-P480	48.0V	4.17A	200W
ATS200T-P560	56.0V	3.58A	200W

Input

Voltage	100-240VAC
Line Frequency	50-60Hz
Current	2.8A Max.
Protection	Internal Primary Current Fuse
Configuration	IEC60320/C14

Output

Load Regulation	±5% (Typical)
Ripple & Noise	1% Vp-p Max. for Output Voltage @ Full Load
Transient Response	0.5mS for 50% Load Change Typical
Hold-up Time	10mS @ Full Load
Protection	Short Circuit Protection / Over Voltage Protection / Over Current Protection / Over Temperature Protection
DC Cord	UL 2095 / UL 2464 / 16AWG
Ferrite Core	No (Optional)



250 Watt Series

Desktop Type

ATS250T - P X X X

P : C14 ← → O / P Voltage



Green Mode

CEC, DoE Level VI, Energy Star, ErP Stage 2, CoC Tier 2, NRCan

No Load Power Consumption Less Than 0.15W

Features :

- IEC/EN/UL 62368-1 & 60950-1
- 100-240VAC Universal Input
- Single Output to 250W
- Regulated Output With Low Ripple Noise
- Safety Agency Requirements and EMI/EMS Certified
- Private Label Marking Available
- Modified and Custom Design Available
- 1 Year Warranty

Model	O/P Voltage	O/P Current	Watt
ATS250T-P120	12.0V	20.00A	240W
ATS250T-P190	19.0V	13.20A	250W
ATS250T-P240	24.0V	10.40A	250W
ATS250T-P480	48.0V	5.20A	250W
ATS250T-P560	56.0V	4.48A	250W

Input

Voltage	100-240VAC
Line Frequency	50-60Hz
Current	3.3A Max.
Protection	Internal Primary Current Fuse
Configuration	IEC60320/C14

Output

Load Regulation	±5% (Typical)
Ripple & Noise	1% Vp-p Max. for Output Voltage @ Full Load
Transient Response	0.5mS for 50% Load Change Typical
Hold-up Time	10mS @ Full Load
Protection	Short Circuit Protection / Over Voltage Protection / Over Current Protection / Over Temperature Protection
DC Cord	UL 2095 / UL 2464 / 16AWG / 18AWG
Ferrite Core	YES

Safety Approvals

CB / UL / cUL / FCC / GS / CE / PSE / BSMI / CCC / RCM

Electrical

Topology	LLC
Dielectric Withstand	3000VAC Primary - Secondary
Leakage Current	3.5mA @ 3Pin
Efficiency	DoE Level VI, Energy Star, ErP Stage 2, CoC Tier 2 & NRCan Certified
EMC Standards	EN55032 EN61000-3-2,3 EN55024
MTBF	300,000 Calculated Hours at 25°C , by Telcordia SR-332

Environmental

Operating Temperature	0 to + 40°C
Storage Temperature	-20 to + 80°C
Relative Humidity	Operating : 20 to 80% RH Storage : 10 to 90% RH
Cooling	Natural Convection Cooling

Mechanical

Case Dimension	L 204 × W 94 × H 43.5 (mm)
Weight	1040g (Ref.)



300 Watt Series

Desktop Type

ATS300T - P X X X

P : C14

O / P Voltage



Green Mode

DoE Level VI

No Load Power Consumption Less Than 0.5W

Features :

- IEC/EN/UL 62368-1 & 60950-1
- 100-240VAC Universal Input
- Single Output to 300W
- Regulated Output With Low Ripple Noise
- Safety Agency Requirements and EMI/EMS Certified
- Private Label Marking Available
- Modified and Custom Design Available
- 1 Year Warranty

Model	O/P Voltage	O/P Current	Watt
ATS300T-P120	12.0V	24.00A	288W
ATS300T-P190	19.0V	15.75A	300W
ATS300T-P240	24.0V	12.50A	300W
ATS300T-P480	48.0V	6.25A	300W
ATS300T-P560	56.0V	5.36A	300W

Input

Voltage	100-240VAC
Line Frequency	50-60Hz
Current	3.9A Max.
Protection	Internal Primary Current Fuse
Configuration	IEC60320/C14

Output

Load Regulation	±5% (Typical)
Ripple & Noise	1% Vp-p Max. for Output Voltage @ Full Load
Transient Response	0.5mS for 50% Load Change Typical
Hold-up Time	10mS @ Full Load
Protection	Short Circuit Protection / Over Voltage Protection / Over Current Protection / Over Temperature Protection
DC Cord	UL 2095 / UL 2464 / 16AWG
Ferrite Core	YES

Safety Approvals

CB / UL / cUL / FCC / GS / CE / PSE / BSMI / CCC

Electrical

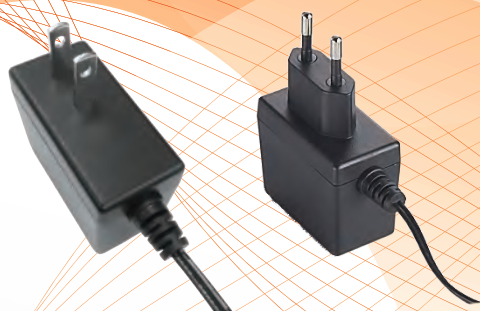
Topology	LLC
Dielectric Withstand	3000VAC Primary - Secondary
Leakage Current	3.5mA @ 3Pin
Efficiency	DoE Level VI
EMC Standards	EN55032
	EN61000-3-2,3
	EN55024
MTBF	300,000 Calculated Hours at 25°C , by Telcordia SR-332

Environmental

Operating Temperature	0 to + 40°C
Storage Temperature	-20 to + 80°C
Relative Humidity	Operating : 20 to 80% RH
	Storage : 10 to 90% RH
Cooling	Natural Convection Cooling

Mechanical

Case Dimension	L 254 × W 116 × H 47 (mm)
Weight	1600g (Ref.)



6 Watt Medical Series

Wall Mount Type
USA / Europe

ATM006T - W X X X □

O/P Voltage

U : US Plug
E : EU Plug

Green Mode

Meet CEC, DoE Level VI, Energy Star, ErP Stage 2, NRCan
No Load Power Consumption Less Than 0.075W

Features :

- IEC/EN/ANSI/AAMI ES60601-1 (Edition 3.1)
- EMC : IEC60601-1-2 : 2014 (Edition 4.0)
- Means of Protection : 2 X MOPP
- Touch Current : < 100μA
- 100 - 240VAC Universal Input
- Single Output to 6W
- Regulated Output With Low Ripple Noise
- Safety Agency Requirements and EMI/EMS Certified
- Private Label Marking Available
- Modified and Custom Design Available
- 2 Years Warranty

Model	O/P Voltage	O/P Current	Watt
ATM006T-W050□	5.0V	1.20A	6.0W
ATM006T-W060□	6.0V	1.00A	6.0W
ATM006T-W075□	7.5V	1.00A	7.5W
ATM006T-W090□	9.0V	0.70A	6.3W
ATM006T-W120□	12.0V	0.50A	6.0W

Input

Voltage	100-240VAC
Line Frequency	50-60Hz
Current	0.19A-0.1A
Protection	Internal Primary Current Fuse
Configuration	U for US Plug E for EU Plug

Output

Load Regulation	±5% (Typical)
Ripple & Noise	2% Vp-p Max. for Output Voltage @ Full Load
Transient Response	0.5mS for 50% Load Change Typical
Hold-up Time	10mS @ Full Load
Protection	Short Circuit Protection / Over Voltage Protection / Over Current Protection
DC Cord	24AWG / 22AWG / 20AWG / 18AWG
Ferrite Core	No (Optional)

Safety Approvals

For USA - CB / UL / cUL / FCC / PSE

For Europe - CB / TÜV SÜD Mark / CE

Electrical

Topology	Switching Flyback
Dielectric Withstand	4000VAC Primary - Secondary
Touch Current	< 100μA
Efficiency	Meet DoE Level VI
EMC Standards	EN55011
	EN61000-3-2,3
	EN61000-4-2,3,4,5,6,8,11
MTBF	300,000 Calculated Hours at 25°C , by Telcordia SR-332

Environmental

Operating Temperature	0 to + 40°C
Storage Temperature	-20 to + 80°C
Relative Humidity	Operating : 20 to 80% RH
	Storage : 10 to 90% RH
Cooling	Natural Convection Cooling

Mechanical

Case Dimension	U - L 56 × W 28 × H 59 (mm)
	E - L 56 × W 28 × H 79 (mm)
Weight	U : 68g E : 80g (Ref.)



12 Watt Medical Series

Wall Mount Type
USA / Europe / UK / Australia /
China / AC Plug Changeable

ATM012T - W X X X □

O/P Voltage ←

→ U : US Plug
E : EU Plug
B : UK Plug
A : AU Plug
C : CN Plug
V : Changeable Plug

Green Mode

Meet CEC, DoE Level VI, Energy Star, ErP Stage 2,
NRCan & GEMS
No Load Power Consumption Less Than 0.075W

Features :

- IEC/EN/ANSI/AAMI ES60601-1 (Edition 3.1)
- EMC : IEC60601-1-2 : 2014 (Edition 4.0)
- IEC/EN/UL 60950 & 62368 Approval
- Means of Protection: 2 X MOPP
- Touch Current : < 100μA
- 100-240VAC Universal Input
- Single Output to 12W
- Regulated Output With Low Ripple Noise
- Safety Agency Requirements and EMI/EMS Certified
- Private Label Marking Available
- Modified and Custom Design Available
- 2 Years Warranty

Model	O/P Voltage	O/P Current	Watt
ATM012T-W033□	3.3V	2.00A	6.60W
ATM012T-W050□	5.0V	2.00A	10.00W
ATM012T-W050□U	5.0V	2.00A	10.00W
ATM012T-W051□	5.0V	3.00A	15.00W
ATM012T-W060□	5.9V	2.00A	11.80W
ATM012T-W062□	6.2V	2.00A	12.40W
ATM012T-W090□	9.0V	1.20A	10.80W
ATM012T-W120□	12.0V	1.00A	12.00W
ATM012T-W150□	15.0V	0.80A	12.00W
ATM012T-W180□	18.0V	0.67A	12.06W
ATM012T-W240□	24.0V	0.50A	12.00W

*Add suffix □"U" with USB port

Input

Voltage	100-240VAC
Line Frequency	50-60Hz
Current	0.32A-0.19A
Protection	Internal Primary Current Fuse
Configuration	U for US Plug E for EU Plug B for UK Plug A for AU Plug C for CN Plug V for Changeable Plug

Output

Load Regulation	±5% (Typical)
Ripple & Noise	2% Vp-p Max. for Output Voltage @ Full Load
Transient Response	0.5mS for 50% Load Change Typical
Hold-up Time	10mS @ Full Load
Protection	Short Circuit Protection / Over Voltage Protection / Over Current Protection
DC Cord	22AWG / 20AWG / 18AWG
Ferrite Core	No (Optional)

Safety Approvals

For USA - CB / UL / cUL / FCC / PSE / BSMI
For Europe & UK - CB / T-mark(TÜV) / CE
For Australia - CB / RCM
For China - CB / CCC

Electrical

Topology	Switching Flyback
Dielectric Withstand	4000VAC Primary - Secondary
Touch Current	< 100μA
Efficiency	Meet DoE Level VI
EMC Standards	EN55011 EN61000-3-2,3 EN61000-4-2,3,4,5,6,8,11
MTBF	300,000 Calculated Hours at 25°C , by Telcordia SR-332

Environmental

Operating Temperature	0 to + 40°C
Storage Temperature	-20 to + 80°C
Relative Humidity	Operating : 20 to 80% RH Storage : 10 to 90% RH
Cooling	Natural Convection Cooling

Mechanical

Case Dimension	U - L 80.2 × W 46 × H 57.5(mm) E - L 80.2 × W 46 × H 68.7(mm) B - L 80.2 × W 49.6 × H 62.7(mm) A - L 80.2 × W 56 × H 57.5(mm) C - L 80.2 × W 46 × H 57.5(mm) V - L 80.2 × W 46 × H 40.5(mm)
Weight	U : 140g E : 145g B : 148g A : 144g C : 140g V : 140g(Ref.)



20 Watt Medical Series

Wall Mount Type
USA / Europe / UK

ATM020 - W X X X □

O/P Voltage

U : US Plug
E : EU Plug
B : UK Plug

Green Mode

Meet CEC, DoE Level VI, Energy Star, ErP Stage 2, NRCan
No Load Power Consumption Less Than 0.075W

Features :

- IEC/EN/ANSI/AAMI ES60601-1 (Edition 3.1)
- EMC : IEC60601-1-2 : 2014 (Edition 4.0)
- Means of Protection : 2 X MOPP
- Touch Current : < 100μA
- 100 - 240VAC Universal Input
- Single Output to 20W
- Regulated Output With Low Ripple Noise
- Safety Agency Requirements and EMI/EMS Certified
- Private Label Marking Available
- Modified and Custom Design Available
- 2 Years Warranty

Model	O/P Voltage	O/P Current	Watt
ATM020-W050□	5.0V	3.50A	17.50W
ATM020-W060□	5.9V	3.00A	17.70W
ATM020-W090□	9.0V	2.22A	20.00W
ATM020-W120□	12.0V	1.67A	20.00W
ATM020-W150□	15.0V	1.33A	20.00W
ATM020-W180□	18.0V	1.11A	20.00W
ATM020-W240□	24.0V	0.83A	20.00W
ATM020-W480□	48.0V	0.42A	20.00W

Input

Voltage	100-240VAC
Line Frequency	50-60Hz
Current	0.45A-0.3A
Protection	Internal Primary Current Fuse
Configuration	U for US Plug
	E for EU Plug
	B for UK Plug

Output

Load Regulation	±5% (Typical)
Ripple & Noise	2% Vp-p Max. for Output Voltage @ Full Load
Transient Response	0.5mS for 50% Load Change Typical
Hold-up Time	10mS @ Full Load
Protection	Short Circuit Protection / Over Voltage Protection / Over Current Protection
DC Cord	22AWG / 20AWG / 18AWG
Ferrite Core	No (Optional)

Safety Approvals

For USA - CB / UL / cUL / FCC / PSE

For Europe & UK - CB / T-mark(TÜV) / CE

Electrical

Topology	Switching Flyback
Dielectric Withstand	4000VAC Primary - Secondary
Touch Current	< 100μA
Efficiency	Meet DoE Level VI
EMC Standards	EN55011
	EN61000-3-2,3
	EN61000-4-2,3,4,5,6,8,11
MTBF	300,000 Calculated Hours at 25°C , by Telcordia SR-332

Environmental

Operating Temperature	0 to + 40°C
Storage Temperature	-20 to + 80°C
Relative Humidity	Operating : 20 to 80% RH
	Storage : 10 to 90% RH
Cooling	Natural Convection Cooling

Mechanical

Case Dimension	U - L 72 × W 34 × H 69 (mm)
	E - L 72 × W 34 × H 90 (mm)
	B - L 72 × W 50 × H 81 (mm)
Weight	U : 148g E : 143g
	B : 158g (Ref.)



Green Mode

Meet CEC, DoE Level VI, Energy Star, ErP Stage 2
No Load Power Consumption Less Than 0.075W

Features :

- IEC/EN/ANSI/AAMI ES60601-1 (Edition 3.1)
- EMC : IEC60601-1-2 : 2014 (Edition 4.0)
- IEC 60950 approval
- Means of Protection: 2 X MOPP
- Touch Current: < 100μA
- 100-240VAC Universal Input
- Single Output to 36W
- Regulated Output With Low Ripple Noise
- Safety Agency Requirements and EMI/EMS Certified
- Private Label Marking Available
- Modified and Custom Design Available
- 2 Years Warranty

Model	O/P Voltage	O/P Current	Watt
ATM036T-□050	5.0V	5.00A	25W
ATM036T-□075	7.5V	4.00A	30W
ATM036T-□090	9.0V	4.00A	36W
ATM036T-□120	12.0V	3.00A	36W
ATM036T-□150	15.0V	2.40A	36W
ATM036T-□180	18.0V	2.00A	36W
ATM036T-□240	24.0V	1.50A	36W

Input

Voltage	100-240VAC
Line Frequency	50-60Hz
Current	1.0A-0.45A
Protection	Internal Primary Current Fuse
Configuration	IEC60320/C6, C8, C14, C18

36 Watt Medical Series

Desktop Type

ATM036T - □ X X X

P : C6 / C14 O / P Voltage
A : C8 / C18

Output

Load Regulation	±5% (Typical)
Ripple & Noise	2% Vp-p Max. for Output Voltage @ Full Load
Transient Response	0.5mS for 50% Load Change Typical
Hold-up Time	10mS @ Full Load
Protection	Short Circuit Protection / Over Voltage Protection / Over Current Protection
DC Cord	20AWG / 18AWG / 16AWG
Ferrite Core	Yes

Safety Approvals

CB / UL / cUL / FCC / CE / T-mark(TÜV) / PSE

Electrical

Topology	Switching Flyback
Dielectric Withstand	4000VAC Primary - Secondary
Touch Current	< 100μA
Efficiency	Meet DoE Level VI
EMC Standards	EN55011
	EN61000-3-2,3
	EN61000-4-2,3,4,5,6,8,11
MTBF	300,000 Calculated Hours at 25°C , by Telcordia SR-332

Environmental

Operating Temperature	0 to + 40°C
Storage Temperature	-20 to + 80°C
Relative Humidity	Operating : 20 to 80% RH
	Storage : 10 to 90% RH
Cooling	Natural Convection Cooling

Mechanical

Case Dimension	C6 & C14 - L100 × W50 × H33(mm)
	C8 & C18 - L99 × W50 × H33(mm)
Weight	210g (Ref.)



65 Watt Medical Series

Desktop Type

ATM065T - □ X X X

P : C6 / C14
A : C8 / C18

→ O / P Voltage



Green Mode

Meet CEC , DoE Level VI, Energy Star , ErP Stage 2
No Load Power Consumption Less Than 0.15W

Features :

- IEC/EN/ANSI/AAMI ES60601-1 (Edition 3.1)
- EMC : IEC60601-1-2 : 2014 (Edition 4.0)
- IEC 60950 approval
- Means of Protection: 2 X MOPP
- Touch Current : < 100μA
- 100-240VAC Universal Input
- Single Output to 65W
- Regulated Output With Low Ripple Noise
- Safety Agency Requirements and EMI/EMS Certified
- Private Label Marking Available
- Modified and Custom Design Available
- 2 Years Warranty

Model	O/P Voltage	O/P Current	Watt
ATM065T-□120	12.0V	5.00A	60W
ATM065T-□150	15.0V	4.34A	65W
ATM065T-□180	18.0V	3.62A	65W
ATM065T-□190	19.0V	3.43A	65W
ATM065T-□240	24.0V	2.71A	65W
ATM065T-□300	30.0V	2.17A	65W
ATM065T-□360	36.0V	1.81A	65W
ATM065T-□480	48.0V	1.36A	65W

Input

Voltage	100-240VAC
Line Frequency	50-60Hz
Current	1.6A-0.7A
Protection	Internal Primary Current Fuse
Configuration	IEC60320/C6, C8, C14, C18

Output

Load Regulation	±5% (Typical)
Ripple & Noise	1% Vp-p Max. for Output Voltage @ Full Load
Transient Response	0.5mS for 50% Load Change Typical
Hold-up Time	10mS @ Full Load
Protection	Short Circuit Protection / Over Voltage Protection / Over Current Protection
DC Cord	18AWG / 16AWG
Ferrite Core	Yes

Safety Approvals

CB / UL / cUL / FCC / CE / T-mark(TÜV) / PSE

Electrical

Topology	Switching Flyback
Dielectric Withstand	4000VAC Primary - Secondary
Touch Current	< 100μA
Efficiency	Meet DoE Level VI
EMC Standards	EN55011
	EN61000-3-2,3
	EN61000-4-2,3,4,5,6,8,11
MTBF	300,000 Calculated Hours at 25°C , by Telcordia SR-332

Environmental

Operating Temperature	0 to + 40°C
Storage Temperature	-20 to + 80°C
Relative Humidity	Operating : 20 to 80% RH
	Storage : 10 to 90% RH
Cooling	Natural Convection Cooling

Mechanical

Case Dimension	L 119 × W 60 × H 36 (mm)
Weight	350g (Ref.)



90 Watt Medical Series

Desktop Type

ATM090T - □ X X X

P : C6 / C14
A : C8 / C18

→ O / P Voltage



Green Mode

Meet CEC , DoE Level VI, Energy Star, ErP Stage 2
No Load Power Consumption Less Than 0.15W

Features :

- IEC/EN/ANSI/AAMI ES60601-1 (Edition 3.1)
- EMC : IEC60601-1-2 : 2014 (Edition 4.0)
- IEC 60950 approval
- Means of Protection: 2 X MOPP
- Touch Current : < 100μA
- 100-240VAC Universal Input
- Single Output to 90W
- Regulated Output With Low Ripple Noise
- Safety Agency Requirements and EMI/EMS Certified
- Private Label Marking Available
- Modified and Custom Design Available
- 2 Years Warranty

Model	O/P Voltage	O/P Current	Watt
ATM090T-□120	12.0V	7.00A	84W
ATM090T-□150	15.0V	6.00A	90W
ATM090T-□180	18.0V	5.00A	90W
ATM090T-□190	19.0V	4.74A	90W
ATM090T-□240	24.0V	3.75A	90W
ATM090T-□480	48.0V	1.88A	90W

Input

Voltage	100-240VAC
Line Frequency	50-60Hz
Current	1.2A-0.5A
Protection	Internal Primary Current Fuse
Configuration	IEC60320/C6,C8,C14, C18

Output

Load Regulation	±5% (Typical)
Ripple & Noise	1% Vp-p Max. for Output Voltage @ Full Load
Transient Response	0.5mS for 50% Load Change Typical
Hold-up Time	10mS @ Full Load
Protection	Short Circuit Protection / Over Voltage Protection / Over Current Protection / Over Temperature Protection
DC Cord	18AWG / 16AWG / 14AWG
Ferrite Core	Yes

Safety Approvals

CB / UL / cUL / FCC / CE / T-mark(TÜV) / PSE

Electrical

Topology	Switching Flyback
Dielectric Withstand	4000VAC Primary - Secondary
Touch Current	< 100μA
Efficiency	Meet DoE Level VI
EMC Standards	EN55011 EN61000-3-2,3 EN61000-4-2,3,4,5,6,8,11
MTBF	300,000 Calculated Hours at 25°C , by Telcordia SR-332

Environmental

Operating Temperature	0 to + 40°C
Storage Temperature	-20 to + 80°C
Relative Humidity	Operating : 20 to 80% RH Storage : 10 to 90% RH
Cooling	Natural Convection Cooling

Mechanical

Case Dimension	C14 & C18 : L160 × W64 × H35 (mm) C6 & C8 : L151 × W64 × H35 (mm)
Weight	460g (Ref.)



120 Watt Medical Series

Desktop Type

ATM120T - □ X X X

P : C6 / C14
A : C8 / C18

→ O / P Voltage



Green Mode

Meet CEC , DoE Level VI, Energy Star, ErP Stage 2
No Load Power Consumption Less Than 0.15W

Features :

- IEC/EN/ANSI/AAMI ES60601-1 (Edition 3.1)
- EMC : IEC60601-1-2 : 2014 (Edition 4.0)
- IEC 60950 approval
- Means of Protection: 2 X MOPP
- Touch Current : < 100μA
- 100-240VAC Universal Input
- Single Output to 120W
- Regulated Output With Low Ripple Noise
- Safety Agency Requirements and EMI/EMS Certified
- Private Label Marking Available
- Modified and Custom Design Available
- 2 Years Warranty

Model	O/P Voltage	O/P Current	Watt
ATM120T-□120	12.0V	9.00A	108W
ATM120T-□150	15.0V	8.00A	120W
ATM120T-□180	18.0V	6.67A	120W
ATM120T-□190	19.0V	6.32A	120W
ATM120T-□200	20.0V	6.00A	120W
ATM120T-□240	24.0V	5.00A	120W
ATM120T-□480	48.0V	2.50A	120W

Input

Voltage	100-240VAC
Line Frequency	50-60Hz
Current	1.5A-0.7A
Protection	Internal Primary Current Fuse
Configuration	IEC60320/C6, C8, C14, C18

Output

Load Regulation	±5% (Typical)
Ripple & Noise	1% Vp-p Max. for Output Voltage @ Full Load
Transient Response	0.5mS for 50% Load Change Typical
Hold-up Time	10mS @ Full Load
Protection	Short Circuit Protection / Over Voltage Protection / Over Current Protection / Over Temperature Protection
DC Cord	18AWG / 16AWG / 14AWG
Ferrite Core	Yes

Safety Approvals

CB / UL / cUL / FCC / CE / TÜV SÜD Mark / PSE

Electrical

Topology	Switching Flyback
Dielectric Withstand	4000VAC Primary - Secondary
Touch Current	< 100μA
Efficiency	Meet DoE Level VI
EMC Standards	EN55011 EN61000-3-2,3 EN61000-4-2,3,4,5,6,8,11
MTBF	300,000 Calculated Hours at 25°C, by Telcordia SR-332

Environmental

Operating Temperature	0 to + 40°C
Storage Temperature	-20 to + 80°C
Relative Humidity	Operating : 20 to 80% RH Storage : 10 to 90% RH
Cooling	Natural Convection Cooling

Mechanical

Case Dimension	L 168 × W 66 × H 39 (mm)
Weight	590g (Ref.)



160 Watt Medical Series

Desktop Type

ATM160T - P X X X

P : C6 / C14 ← → O / P Voltage

Green Mode

Meet CEC, DoE Level VI, Energy Star, ErP Stage 2
No Load Power Consumption Less Than 0.15W

Features :

- IEC/EN/ANSI/AAMI ES60601-1 (Edition 3.1)
- EMC : IEC60601-1-2 : 2014 (Edition 4.0)
- IEC 60950 approval
- Means of Protection: 2 X MOPP
- Touch Current : < 100μA
- 100-240VAC Universal Input
- Single Output to 160W
- Regulated Output With Low Ripple Noise
- Safety Agency Requirements and EMI/EMS Certified
- Private Label Marking Available
- Modified and Custom Design Available
- 2 Years Warranty

Output

Load Regulation	±5% (Typical)
Ripple & Noise	1% Vp-p Max. for Output Voltage@ Full Load
Transient Response	0.5mS for 50% Load Change Typical
Hold-up Time	10mS @ Full Load
Protection	Short Circuit Protection / Over Voltage Protection / Over Current Protection / Over Temperature Protection
DC Cord	UL 2464 / UL 2095
Ferrite Core	No (Optional)

Safety Approvals

CB / UL / cUL / FCC / CE / T-mark(TÜV) / PSE

Electrical

Topology	LLC
Dielectric Withstand	4000VAC Primary - Secondary
Touch Current	< 100μA
Efficiency	Meet DoE Level VI
EMC Standards	EN55011
	EN61000-3-2,3
	EN61000-4-2,3,4,5,6,8,11
MTBF	300,000 Calculated Hours at 25°C , by Telcordia SR-332

Environmental

Operating Temperature	0 to + 40°C
Storage Temperature	-20 to + 80°C
Relative Humidity	Operating : 20 to 80% RH
	Storage : 10 to 90% RH
Cooling	Natural Convection Cooling

Mechanical

Case Dimension	L 183 × W 81 × H 42 (mm)
Weight	820g (Ref.)

Model	O/P Voltage	O/P Current	Watt
ATM160T-P120	12.0V	12.5A	150W
ATM160T-P190	19.0V	8.4A	160W
ATM160T-P240	24.0V	6.6A	160W
ATM160T-P480	48.0V	3.3A	160W

Input

Voltage	100-240VAC
Line Frequency	50-60Hz
Current	1.8A-0.9A
Protection	Internal Primary Current Fuse
Configuration	IEC60320/C6, C14



200 Watt Medical Series

Desktop Type

ATM200T - ☐ X X X

P : C14 O / P Voltage
A : C8 / C18

Green Mode

Meet CEC, DoE Level VI, Energy Star, ErP Stage 2
No Load Power Consumption Less Than 0.15W

Features :

- IEC/EN/ANSI/AAMI ES60601-1 (Edition 3.1)
- EMC : IEC60601-1-2 : 2014 (Edition 4.0)
- IEC 60950 approval
- Means of Protection: 2 X MOPP
- Touch Current : < 100μA
- 100-240VAC Universal Input
- Single Output to 200W
- Regulated Output With Low Ripple Noise
- Safety Agency Requirements and EMI/EMS Certified
- Private Label Marking Available
- Modified and Custom Design Available
- 2 Years Warranty

Model	O/P Voltage	O/P Current	Watt
ATM200T-□120	12.0V	16.00A	192W
ATM200T-A150	15.0V	13.00A	195W
ATM200T-□180	18.0V	11.00A	198W
ATM200T-□190	19.0V	10.50A	200W
ATM200T-□240	24.0V	8.30A	200W
ATM200T-□480	48.0V	4.20A	201W

Input

Voltage	100-240VAC
Line Frequency	50-60Hz
Current	P : 2.5A-0.9A A : 2.4A-0.9A
Protection	Internal Primary Current Fuse
Configuration	IEC60320/C8, C14, C18

Output

Load Regulation	±5% (Typical)
Ripple & Noise	1% Vp-p Max. for Output Voltage@ Full Load
Transient Response	0.5mS for 50% Load Change Typical
Hold-up Time	10mS @ Full Load
Protection	Short Circuit Protection / Over Voltage Protection / Over Current Protection / Over Temperature Protection
DC Cord	UL 2464 / UL 2095
Ferrite Core	No (Optional)

Safety Approvals

CB / UL / cUL / FCC / CE / TÜV SÜD Mark / PSE

Electrical

Topology	LLC
Dielectric Withstand	4000VAC Primary - Secondary
Touch Current	< 100μA
Efficiency	Meet DoE Level VI
EMC Standards	EN55011
	EN61000-3-2,3
	EN61000-4-2,3,4,5,6,8,11
MTBF	300,000 Calculated Hours at 25°C , by Telcordia SR-332

Environmental

Operating Temperature	0 to + 40°C
Storage Temperature	-20 to + 80°C
Relative Humidity	Operating : 20 to 80% RH
	Storage : 10 to 90% RH
Cooling	Natural Convection Cooling

Mechanical

Case Dimension	L 204 × W 81 × H 42.5 (mm)
Weight	880g (Ref.)



250 Watt Medical Series

Desktop Type

ATM250T - □ X X X

P : C14
A : C18

→ O / P Voltage



Green Mode

Meet CEC, DoE Level VI, Energy Star, ErP Stage 2
No Load Power Consumption Less Than 0.15W

Features :

- IEC/EN/ANSI/AAMI ES60601-1 (Edition 3.1)
- EMC : IEC60601-1-2 : 2014 (Edition 4.0)
- IEC 60950 approval
- Means of Protection: 2 X MOPP
- Touch Current : < 100μA
- 100-240VAC Universal Input
- Single Output to 250W
- Regulated Output With Low Ripple Noise
- Safety Agency Requirements and EMI/EMS Certified
- Private Label Marking Available
- Modified and Custom Design Available
- 2 Years Warranty

Model	O/P Voltage	O/P Current	Watt
ATM250T-□120	12.0V	20.00A	240W
ATM250T-□150	15.0V	16.66A	250W
ATM250T-□190	19.0V	13.15A	250W
ATM250T-□240	24.0V	10.40A	250W
ATM250T-□480	48.0V	5.21A	250W

Input

Voltage	100-240VAC
Line Frequency	50-60Hz
Current	3.3A-1.3A
Protection	Internal Primary Current Fuse
Configuration	IEC60320/C14,C18

Output

Load Regulation	±5% (Typical)
Ripple & Noise	1% Vp-p Max. for Output Voltage@ Full Load
Transient Response	0.5mS for 50% Load Change Typical
Hold-up Time	10mS @ Full Load
Protection	Short Circuit Protection / Over Voltage Protection / Over Current Protection / Over Temperature Protection
DC Cord	UL 2464 / UL 2095
Ferrite Core	Yes

Safety Approvals

CB / UL / cUL / FCC / CE / TÜV SÜD Mark / PSE

Electrical

Topology	LLC
Dielectric Withstand	4000VAC Primary - Secondary
Touch Current	< 100μA
Efficiency	Meet DoE Level VI
EMC Standards	EN55011 EN61000-3-2,3 EN61000-4-2,3,4,5,6,8,11
MTBF	300,000 Calculated Hours at 25°C , by Telcordia SR-332

Environmental

Operating Temperature	0 to + 40°C
Storage Temperature	-20 to + 80°C
Relative Humidity	Operating : 20 to 80% RH Storage : 10 to 90% RH
Cooling	Natural Convection Cooling

Mechanical

Case Dimension	L 204 × W 94 × H 43.5 (mm)
Weight	1145g (Ref.)



300 Watt Medical Series

Desktop Type

ATM300T - □ X X X

P : C14
A : C18

→ O / P Voltage



Green Mode

Meet CEC, DoE Level VI, Energy Star, ErP Stage 2
No Load Power Consumption Less Than 0.5W

Features :

- IEC/EN/ANSI/AAMI ES60601-1 (Edition 3.1)
- EMC : IEC60601-1-2 : 2014 (Edition 4.0)
- IEC 60950 approval
- Means of Protection: 2 X MOPP
- Touch Current : < 100μA
- 100-240VAC Universal Input
- Single Output to 300W
- Regulated Output With Low Ripple Noise
- Safety Agency Requirements and EMI/EMS Certified
- Private Label Marking Available
- Modified and Custom Design Available
- 2 Years Warranty

Model	O/P Voltage	O/P Current	Watt
ATM300T-□120	12.0V	25.00A	300W
ATM300T-□150	15.0V	20.00A	300W
ATM300T-□240	24.0V	12.50A	300W
ATM300T-□480	48.0V	6.25A	300W

Input

Voltage	100-240VAC
Line Frequency	50-60Hz
Current	3.5A-1.5A
Protection	Internal Primary Current Fuse
Configuration	IEC60320/C14,C18

Output

Load Regulation	±5% (Typical)
Ripple & Noise	1% Vp-p Max. for Output Voltage@ Full Load
Transient Response	0.5mS for 50% Load Change Typical
Hold-up Time	10mS @ Full Load
Protection	Short Circuit Protection / Over Voltage Protection / Over Current Protection / Over Temperature Protection
DC Cord	UL 2464 / UL 2095
Ferrite Core	Yes

Safety Approvals

CB / UL / cUL / FCC / CE / TÜV SÜD Mark / PSE

Electrical

Topology	LLC
Dielectric Withstand	4000VAC Primary - Secondary
Touch Current	< 100μA
Efficiency	Meet DoE Level VI
EMC Standards	EN55011 EN61000-3-2,3 EN61000-4-2,3,4,5,6,8,11
MTBF	300,000 Calculated Hours at 25°C , by Telcordia SR-332

Environmental

Operating Temperature	0 to + 40°C
Storage Temperature	-20 to + 80°C
Relative Humidity	Operating : 20 to 80% RH Storage : 10 to 90% RH
Cooling	Natural Convection Cooling

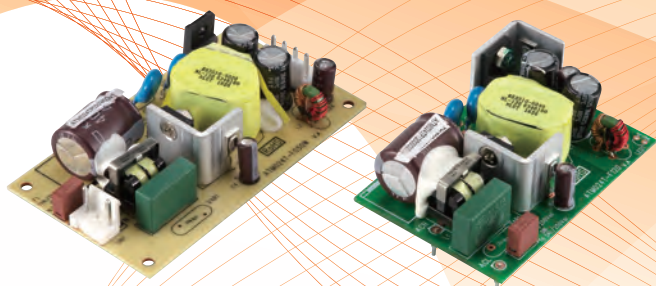
Mechanical

Case Dimension	L 254 × W 116 × H 47 (mm)
Weight	1600g (Ref.)

IT / Medical

Open Frame Power Supply

12 / 24 Watt Series



Green Mode

Meet CEC, DoE Level VI, ErP Stage 2
No Load Power Consumption Less Than 0.075W

Features :

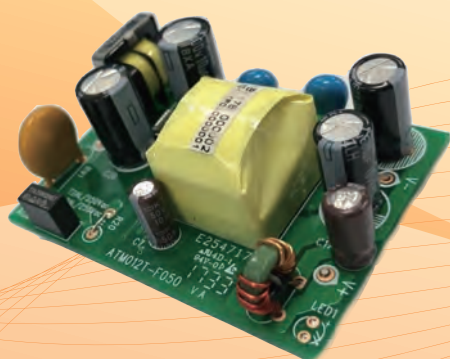
- IEC/EN/ANSI/AAMI ES60601-1 (Edition 3.1)
- EMC : IEC60601-1-2 : 2014 (Edition 4.0)
- Means of Protection: 2 X MOPP
- Touch Current : < 100μA
- Meet IEC/EN/UL 60950-1
- 100-240VAC Universal Input
- Regulated Output With Low Ripple Noise
- Modified and Custom Design Available
- 2 Years Warranty

Model	O/P Voltage	O/P Current	Watt
ATM012T-F033	3.3V	2.50A	8.25W
ATM012T-F050	5.0V	2.00A	10.00W
ATM012T-F120	12.0V	1.00A	12.00W
ATM012T-F150	15.0V	0.80A	12.00W
ATM012T-F240	24.0V	0.50A	12.00W

Model	O/P Voltage	O/P Current	Watt
ATM024T-F033□	3.3V	4.50A	14.85W
ATM024T-F050□	5.0V	4.40A	22.00W
ATM024T-F120□	12.0V	2.00A	24.00W
ATM024T-F150□	15.0V	1.60A	24.00W
ATM024T-F240□	24.0V	1.00A	24.00W
ATM024T-F480□	48.0V	0.50A	24.00W

Input

Voltage	100-240 VAC
Line Frequency	50-60Hz
Current	12W : 0.29A-0.17A, 24W : 0.55A-0.3A
Protection	Internal Primary Current Fuse



ATM012T - F X X X

→ O / P Voltage

ATM024T - F X X X □

O / P Voltage →

→ W : Wafer
Blank : 4 Industrial Pins

Output

Load Regulation	± 5% (Typical)
Ripple & Noise	2% Vp-p Max. for Output Voltage @ Full Load
Transient Response	0.5mS for 50% Load Change Typical
Hold-up Time	10mS min. @Full Load
Protection	Short Circuit Protection/ Over Voltage Protection/ Over Current Protection

Safety Approvals

I.T.E. : CB / UL / cUL / FCC / CE
Medical : UL / cUL / FCC / CE / T-mark(TÜV)

Electrical

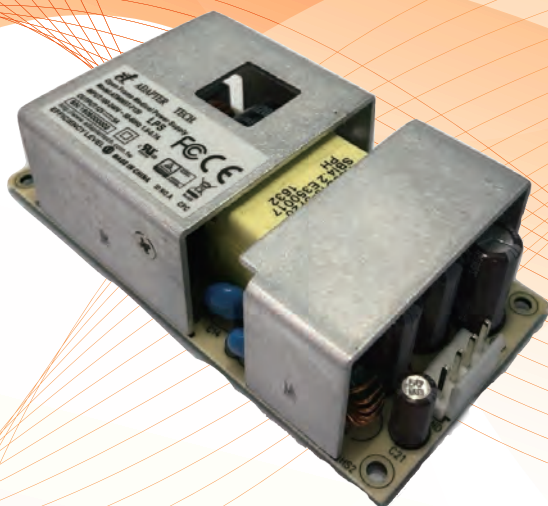
Topology	Switching Flyback
Dielectric Withstand	4,000 VAC Primary - Secondary
Touch Current	< 100μA
MTBF	300,000 Calculated Hours at 25°C, by Telcordia SR-332

Environmental

Operating Temperature	0 to+50°C
Storage Temperature	-20 to+80°C
Relative Humidity	Operating: 20 to 80% RH Storage: 10 to 90% RH
Cooling	Natural Convection Cooling

Mechanical

Dimension	ATM012T-F: L65 x W44.7 x H24 (mm) 2.56"x1.77"x0.95" (inch)
	ATM024T-F: L69.85 x W48 x H26 (mm) 2.75"x1.89"x0.95" (inch)
	ATM024T-F: L88.97 x W50.8 x H24 (mm) (wafer) 3.5"x2"x0.95" (inch)
Weight	ATM012T-F: 42g (Ref.)
	ATM024T-F: 58g (Ref.)



IT / Medical Open Frame Power Supply 65 Watt Series

ATM065T-F X X X

→ O / P Voltage

Green Mode

Meet CEC, DoE Level VI, ErP Stage 2
No Load Power Consumption Less Than 0.15W

Features :

- IEC/EN/ANSI/AAMI ES60601-1 (Edition 3.1)
- EMC : IEC60601-1-2 : 2014 (Edition 4.0)
- Means of Protection: 2 X MOPP
- Touch Current : < 100μA
- Meet IEC/EN/UL 60950-1
- 100-240VAC Universal Input
- Single Output to 65W
- Regulated Output With Low Ripple Noise
- Modified and Custom Design Available
- 2 Years Warranty

Model	O/P Voltage	O/P Current	Watt
ATM065T-F120	12.0V	5.00A	60W
ATM065T-F150	15.0V	4.34A	65W
ATM065T-F180	18.0V	3.62A	65W
ATM065T-F190	19.0V	3.43A	65W
ATM065T-F240	24.0V	2.71A	65W
ATM065T-F480	48.0V	1.36A	65W

Input

Voltage	100-240VAC
Line Frequency	50-60Hz
Current	1.6A-0.7A
Protection	Internal Primary Current Fuse

Output

Load Regulation	±5% (Typical)
Ripple & Noise	1% Vp-p Max. for Output Voltage@ Full Load
Transient Response	0.5mS for 50% Load Change Typical
Hold-up Time	10mS @ Full Load
Protection	Short Circuit Protection / Over Voltage Protection / Over Current Protection

Safety Approvals

I.T.E. : CB / UL / cUL / FCC / CE

Medical : CB / UL / cUL / FCC / CE / T-mark(TÜV)

Electrical

Topology	Switching Flyback
Dielectric Withstand	4000VAC Primary - Secondary
Touch Current	< 100μA
MTBF	300,000 Calculated Hours at 25°C , by Telcordia SR-332

Environmental

Operating Temperature	0 to + 50°C
Storage Temperature	-20 to + 80°C
Relative Humidity	Operating : 20 to 80% RH Storage : 10 to 90% RH
Cooling	Natural Convection Cooling

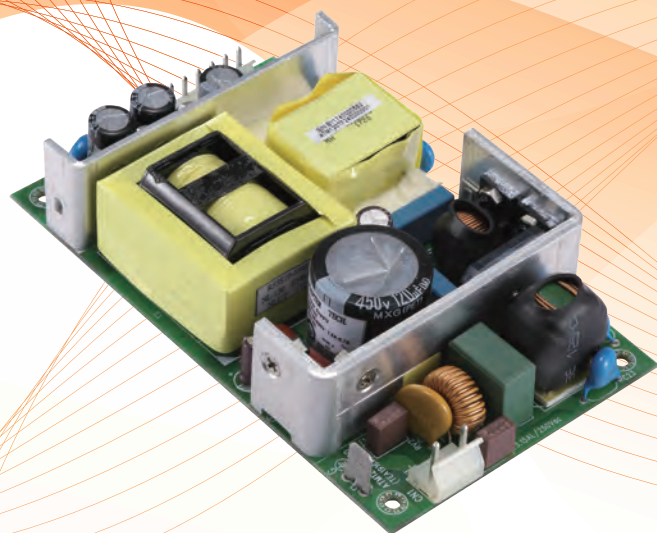
Mechanical

Dimension	L 102 × W 51 × H 31 (mm) 4" x 2" x 1.2" (inch)
Weight	141g (Ref.)

IT / Medical Open Frame Power Supply 120 Watt Series

ATM120T-F X X X

→ O / P Voltage



Green Mode

Meet CEC, DoE Level VI, ErP Stage 2
No Load Power Consumption Less Than 0.21W

Features :

- IEC/EN/ANSI/AAMI ES60601-1 (Edition 3.1)
- Means of Protection: 2 X MOPP
- Touch Current : < 100μA
- Meet IEC/EN/UL 60950-1
- 100-240VAC Universal Input
- Single Output to 120W
- Regulated Output With Low Ripple Noise
- Modified and Custom Design Available
- 2 Years Warranty

Model	O/P Voltage	O/P Current	Watt
ATM120T-F120	12.0V	10.00A	120W
ATM120T-F150	15.0V	8.00A	120W
ATM120T-F190	19.0V	6.30A	120W
ATM120T-F240	24.0V	5.00A	120W
ATM120T-F300	30.0V	4.00A	120W
ATM120T-F480	48.0V	2.50A	120W

Input

Voltage	100-240VAC
Line Frequency	50-60Hz
Current	1.5A-0.7A
Protection	Internal Primary Current Fuse

Output

Load Regulation	±5% (Typical)
Ripple & Noise	1% Vp-p Max. for Output Voltage@ Full Load
Transient Response	0.5mS for 50% Load Change Typical
Hold-up Time	10mS @ Full Load
Protection	Short Circuit Protection / Over Voltage Protection / Over Current Protection / Over Temperature Protection

Safety Approvals

CB / UL / TÜV SÜD Mark / CE

Electrical

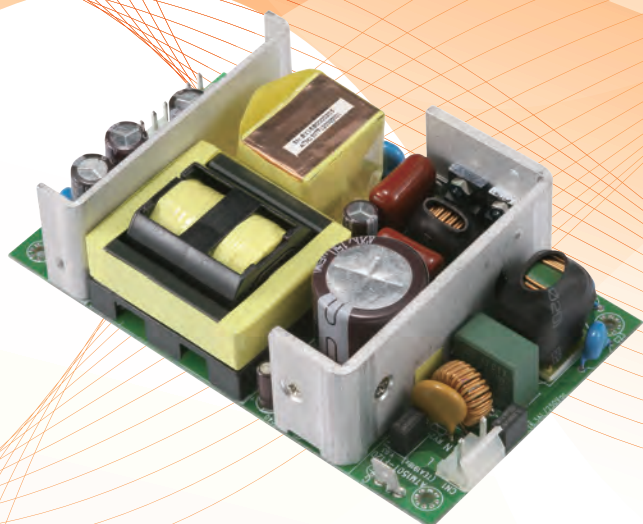
Topology	LLC
Dielectric Withstand	4000VAC Primary - Secondary
Touch Current	< 100μA
MTBF	300,000 Calculated Hours at 25°C , by Telcordia SR-332

Environmental

Operating Temperature	0 to + 50°C
Storage Temperature	-20 to + 80°C
Relative Humidity	Operating : 20 to 80% RH Storage : 10 to 90% RH
Cooling	Natural Convection Cooling

Mechanical

Dimension	L127 × W76 × H30.48 (mm) 5" x 3" x 1.2" (inch)
Weight	300g (Ref.)



IT / Medical Open Frame Power Supply 150 Watt Series

ATM150T-F X X X

→ O / P Voltage

Green Mode

Meet CEC, DoE Level VI, ErP Stage 2
No Load Power Consumption Less Than 0.15W

Features :

- ANSI/AAMI/IEC/EN ES60601-1:2012 (60601 Edition 3.1)
- Means of Protection: 2 X MOPP
- Touch Current : < 100μA
- Meet IEC/EN/UL 60950-1
- 100-240VAC Universal Input
- Single Output to 150W
- Regulated Output With Low Ripple Noise
- Modified and Custom Design Available
- 2 Years Warranty

Model	O/P Voltage	O/P Current	Watt
ATM150T-F120	12.0V	12.50A	150W
ATM150T-F240	24.0V	6.25A	150W
ATM150T-F300	30.0V	5.00A	150W
ATM150T-F480	48.0V	3.12A	150W

Input

Voltage	100-240VAC
Line Frequency	50-60Hz
Current	1.7A-0.8A
Protection	Internal Primary Current Fuse

Output

Load Regulation	±5% (Typical)
Ripple & Noise	1% Vp-p Max. for Output Voltage@ Full Load
Transient Response	0.5mS for 50% Load Change Typical
Hold-up Time	10mS @ Full Load
Protection	Short Circuit Protection / Over Voltage Protection / Over Current Protection / Over Temperature Protection

Safety Approvals

CB / UL / cUL / T-mark(TÜV)

Electrical

Topology	LLC
Dielectric Withstand	4000VAC Primary - Secondary
Touch Current	< 100μA
MTBF	300,000 Calculated Hours at 25°C , by Telcordia SR-332

Environmental

Operating Temperature	0 to + 50°C
Storage Temperature	-20 to + 80°C
Relative Humidity	Operating : 20 to 80% RH Storage : 10 to 90% RH
Cooling	Natural Convection Cooling

Mechanical

Dimension	L 127 × W 76 × H 38.1 (mm) 5" x 3" x 1.5" (inch)
Weight	320g (Ref.)



IT / Medical Open Frame Power Supply 200 Watt Series

ATM200T-F X X X

→ O / P Voltage

Green Mode

Meet CEC, DoE Level VI, ErP Stage 2
No Load Power Consumption Less Than 0.15W

Features :

- ANSI/AAMI/IEC/EN ES60601-1:2012 (60601 Edition 3.1)
- Means of Protection: 2 X MOPP
- Touch Current : < 100 μ A
- Meet IEC/EN/UL 60950-1
- 100-240VAC Universal Input
- Single Output to 200W
- Regulated Output With Low Ripple Noise
- Modified and Custom Design Available
- 2 Years Warranty

Model	O/P Voltage	O/P Current	Watt
ATM200T-F120	12.0V	16.00A	192W
ATM200T-F190	19.0V	10.50A	200W
ATM200T-F240	24.0V	8.30A	200W
ATM200T-F360	36.0V	5.50A	200W
ATM200T-F480	48.0V	4.20A	200W

Input

Voltage	100-240VAC
Line Frequency	50-60Hz
Current	2.5A-0.9A
Protection	Internal Primary Current Fuse

Output

Load Regulation	$\pm 5\%$ (Typical)
Ripple & Noise	1% Vp-p Max. for Output Voltage@ Full Load
Transient Response	0.5mS for 50% Load Change Typical
Hold-up Time	10mS @ Full Load
Protection	Short Circuit Protection / Over Voltage Protection / Over Current Protection / Over Temperature Protection

Safety Approvals

CB / UL / cUL / T-mark(TÜV)

Electrical

Topology	LLC
Dielectric Withstand	4000VAC Primary - Secondary
Touch Current	< 100 μ A
MTBF	300,000 Calculated Hours at 25°C , by Telcordia SR-332

Environmental

Operating Temperature	0 to + 50°C
Storage Temperature	-20 to + 80°C
Relative Humidity	Operating : 20 to 80% RH Storage : 10 to 90% RH
Cooling	Natural Convection Cooling

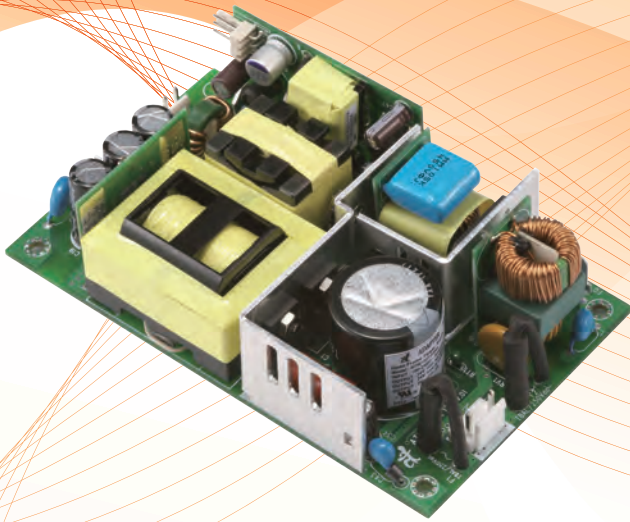
Mechanical

Dimension	L127 × W76.2 × H38.1 (mm) 5" x 3" x 1.5" (inch)
Weight	320g (Ref.)

IT / Medical Open Frame Dual Output 210 Watt Series

ATM210T-F X X X

→ O / P Voltage



Green Mode

Meet CEC, DoE Level VI, ErP Stage 2
No Load Power Consumption Less Than 0.21W

Features :

- IEC/EN/ANSI/AAMI ES60601-1 (Edition 3.1)
- Means of Protection : 2 X MOPP
- Touch Current : < 100μA
- Meet IEC/UL 60950-1
- 100-240VAC Universal Input
- 210W With Fan
- Standby 5V / 2A
- On & Off Remote Control
- Regulated Output With Low Ripple Noise
- Modified and Custom Design Available
- 2 Years Warranty

Model	O/P Voltage	O/P Current		Watt	
		Convection	With Fan	Convection	With Fan
ATM210T-F120	12V	12.5A	16.7A	160W	210W
	5V	2.0A			
ATM210T-F240	24V	6.25A	8.3A	160W	210W
	5V	2.0A			
ATM210T-F480	48V	3.13A	4.17A	160W	210W
	5V	2.0A			

Input

Voltage	100-240VAC
Line Frequency	50-60Hz
Current	2.5A-1A
Protection	Internal Primary Current Fuse

Output

Load Regulation	±5% (Typical)
Ripple & Noise	1% Vp-p Max. for Output Voltage@ Full Load
Transient Response	0.5mS for 50% Load Change Typical
Hold-up Time	10mS @ Full Load
Protection	Short Circuit Protection / Over Voltage Protection / Over Current Protection / Over Temperature Protection

Safety Approvals

CB / UL / cUL

Electrical

Topology	LLC
Dielectric Withstand	4000VAC Primary - Secondary
Touch Current	< 100μA
MTBF	300,000 Calculated Hours at 25°C , by Telcordia SR-332

Environmental

Operating Temperature	0 to + 50°C
Storage Temperature	-20 to + 80°C
Relative Humidity	Operating : 20 to 80% RH Storage : 10 to 90% RH
Cooling	160W With convection cooling 210W With fan cooling

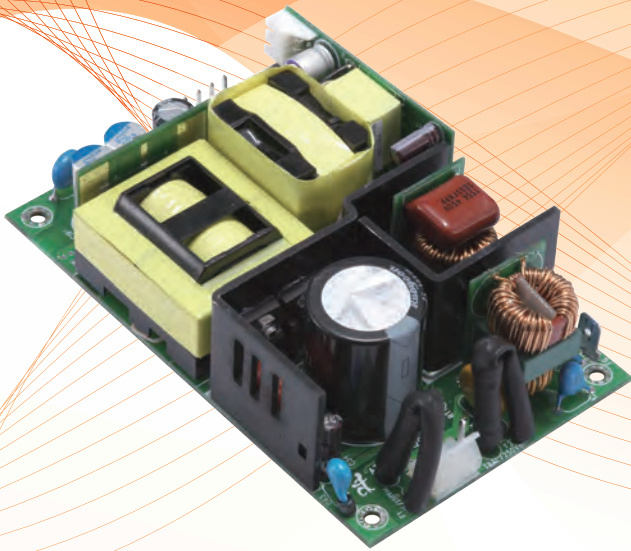
Mechanical

Dimension	L 127 × W 76 × H 38 (mm) 5" x 3" x 1.5" (inch)
Weight	310g (Ref.)

IT / Medical Open Frame Dual Output 305 Watt Series

ATM305T-F X X X

→ O / P Voltage



Green Mode

Meet CEC, DoE Level VI, ErP Stage 2
No Load Power Consumption Less Than 0.21W

Features :

- IEC/EN/ANSI/AAMI ES60601-1 (Edition 3.1)
- Means of Protection : 2 X MOPP
- Touch Current : < 100μA
- Meet IEC/UL 60950-1
- 100-240VAC Universal Input
- 305W With Fan
- Standby 5V / 1A
- On & Off Remote Control
- Regulated Output With Low Ripple Noise
- Modified and Custom Design Available
- 2 Years Warranty

Model	O/P Voltage	O/P Current		Watt	
		Convection	With Fan	Convection	With Fan
ATM305T-F120	12V	16.0A	25.0A	197W	305W
	5V	1.0A			
ATM305T-F240	24V	10.4A	12.5A	255W	305W
	5V	1.0A			
ATM305T-F480	48V	4.17A	6.25A	205W	305W
	5V	1.0A			

Input

Voltage	100-240VAC
Line Frequency	50-60Hz
Current	3.6A-1.6A
Protection	Internal Primary Current Fuse

Output

Load Regulation	±5% (Typical)
Ripple & Noise	1% Vp-p Max. for Output Voltage@ Full Load
Transient Response	0.5mS for 50% Load Change Typical
Hold-up Time	10mS @ Full Load
Protection	Short Circuit Protection / Over Voltage Protection / Over Current Protection / Over Temperature Protection

Safety Approvals

CB / UL / cUL

Electrical

Topology	LLC
Dielectric Withstand	4000VAC Primary - Secondary
Touch Current	< 100μA
MTBF	300,000 Calculated Hours at 25°C , by Telcordia SR-332

Environmental

Operating Temperature	0 to + 50°C
Storage Temperature	-20 to + 80°C
Relative Humidity	Operating : 20 to 80% RH Storage : 10 to 90% RH
Cooling	ATM305T-F120 : 197W With convection cooling
	ATM305T-F240 : 255W With convection cooling
	ATM305T-F480 : 205W With convection cooling
	305W With fan cooling

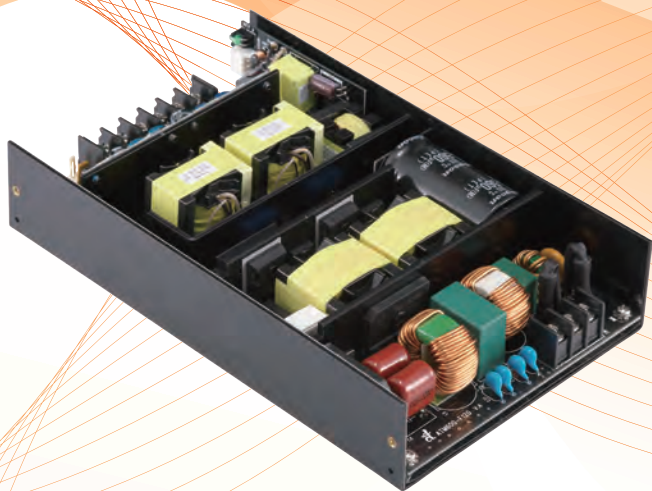
Mechanical

Dimension	L 127 × W 76.2 × H 38.1 (mm) 5" x 3" x 1.5" (inch)
Weight	350g (Ref.)

IT / Medical Open Frame Power Supply 612 Watt Series

ATM600-F X X X

→ O / P Voltage



Features :

- IEC/EN/ANSI/AAMI ES60601-1 (Edition 3.1)
- Means of Protection : 2 X MOPP
- Touch Current : < 100μA
- Meet IEC/UL 60950-1
- 100-240VAC Universal Input
- Standby 5V / 1A
- On & Off Remote Control
- Efficiency up to 95%
- Regulated Output With Low Ripple Noise
- Modified and Custom Design Available
- 2 Years Warranty

Model	O/P Voltage	O/P Current	Standby	O/P For Fan	Watt
ATM600-F120	12.0V	50.00A	5V / 1A	12V / 0.6A	612W
ATM600-F240	24.0V	25.00A	5V / 1A	12V / 0.6A	612W
ATM600-F360	36.0V	16.60A	5V / 1A	12V / 0.6A	612W
ATM600-F480	48.0V	12.50A	5V / 1A	12V / 0.6A	612W

Input

Voltage	100-240VAC
Line Frequency	50-60Hz
Current	7.0A-2.7A
Protection	Internal Primary Current Fuse

Output

Load Regulation	±5% (Typical)
Ripple & Noise	1% Vp-p Max. for Output Voltage@ Full Load
Transient Response	0.5mS for 50% Load Change Typical
Hold-up Time	10mS @ Full Load
Protection	Short Circuit Protection / Over Voltage Protection / Over Current Protection / Over Temperature Protection

Safety Approvals

CB / UL / cUL / FCC / CE

Electrical

Topology	LLC
Dielectric Withstand	4000VAC Primary - Secondary
MTBF	300,000 Calculated Hours at 25°C , by Telcordia SR-332

Environmental

Operating Temperature	-20 to + 50°C
Storage Temperature	-20 to + 80°C
Relative Humidity	Operating : 20 to 80% RH Storage : 10 to 90% RH
Cooling	Natural Convection Cooling

Mechanical

Dimension	L 203.2 × W 127 × H 40 (mm) 8" x 5" x 1.6" (inch)
Weight	1100g (Ref.)



Level VI

**Green Mode**

Meet CEC, DoE Level VI, Energy Star, ErP Stage 2,
NRCAN & GEMS Level VI
No Load Power Consumption Less Than 0.1W

Features :

- IEC/EN/UL 62368-1 & 60950-1
- 100-240VAC Universal Input
- Power Delivery 2.0
- System control through CC1
- Regulated Output With Low Ripple Noise
- Safety Agency Requirements and EMI/EMS Certified
- Private Label Marking Available
- Modified and Custom Design Available
- 1 Year Warranty

Model	O/P Voltage	O/P Current	Watt
APD045T-A200	5.0V	3.00A	15W
	9.0V	3.00A	27W
	12.0V	3.00A	36W
	15.0V	3.00A	45W
	20.0V	2.25A	45W
APD060T-A200	5.0V	3.00A	15W
	9.0V	3.00A	27W
	12.0V	3.00A	36W
	15.0V	3.00A	45W
	19.0V	3.00A	57W
	20.0V	3.00A	60W

Input

Voltage	100-240VAC
Line Frequency	50-60Hz
Current	45W : 1.2A Max. / 60W : 1.4A Max.
Protection	Internal Primary Current Fuse
Configuration	IEC60320/C8



USB Type-C P.D. 45 / 60 Watt Series

Desktop Type

Output

Load Regulation	±5% (Typical)
Ripple & Noise	2% Vp-p Max. for Output Voltage@ Full Load
Transient Response	0.5mS for 50% Load Change Typical
Hold-up Time	10mS @ Full Load
Protection	Short Circuit Protection / Over Voltage Protection / Over Current Protection
DC Cord	UL2095
Ferrite Core	Yes

Safety Approvals

APD045T-A200 :

CB / UL / cUL / FCC / GS / CE / PSE / BSMI / CCC / RCM / LPS

APD060T-A200 :

CB / UL / cUL / FCC / GS / CE / PSE / BSMI / LPS

Electrical

Topology	Switching Flyback
Dielectric Withstand	3000VAC Primary - Secondary
Leakage Current	0.25mA
Efficiency	Meet DoE Level VI, Energy Star, ErP Stage 2, NRCAN & GEMS Level VI
EMC Standards	EN55032
	EN61000-3-2,3
	EN55024
MTBF	300,000 Calculated Hours at 25°C , by Telcordia SR-332

Environmental

Operating Temperature	0 to + 40°C
Storage Temperature	-20 to + 80°C
Relative Humidity	Operating : 20 to 80% RH
	Storage : 10 to 90% RH
Cooling	Natural Convection Cooling

Mechanical

Case Dimension	APD045T : L 99 x W 33 x H 50 (mm)
	APD060T : L 119 x W 60 x H 36 (mm)
Weight	APD045T : 190g (Ref.)
	APD060T : 285g (Ref.)



60 Watt Power Module Series

ATS060T - A X X X □

O / P Voltage

P : 4 Industrial Pins
W : Screwed Type

Green Mode

CEC, DoE Level VI, Energy Star, ErP Stage 2, NRCAN & GEMS Level VI

No Load Power Consumption Less Than 0.15W

Features :

- IEC/UL 62368-1 & 60950-1
- 100-240VAC Universal Input
- Regulated Output With Low Ripple Noise
- Safety Agency Requirements and EMI/EMS Certified
- Private Label Marking Available
- Modified and Custom Design Available
- 1 Year Warranty

Model	O/P Voltage	O/P Current	Watt
ATS060T-A120□	12.0V	5.00A	60W
ATS060T-A150□	15.0V	4.00A	60W
ATS060T-A190□	19.0V	3.15A	60W
ATS060T-A240□	24.0V	2.50A	60W
ATS060T-A480□	48.0V	1.25A	60W

Input

Voltage	100-240VAC
Line Frequency	50-60Hz
Current	1.5A Max.
Protection	Internal Primary Current Fuse

Output

Load Regulation	±5% (Typical)
Ripple & Noise	1% Vp-p Max. for Output Voltage@ Full Load
Transient Response	0.5mS for 50% Load Change Typical
Hold-up Time	10mS @ Full Load
Protection	Short Circuit Protection / Over Voltage Protection / Over Current Protection

Safety Approvals

CB / UL / cUL / FCC / CE / LPS

Electrical

Topology	Switching Flyback
Dielectric Withstand	3000VAC Primary - Secondary
Leakage Current	0.25mA
Efficiency	DoE Level VI, Energy Star, ErP Stage 2, CoC Tier 2, NRCAN & GEMS Level VI Certified
EMC Standards	EN55032 EN61000-3-2,3 EN55024
MTBF	300,000 Calculated Hours at 25°C, by Telcordia SR-332

Environmental

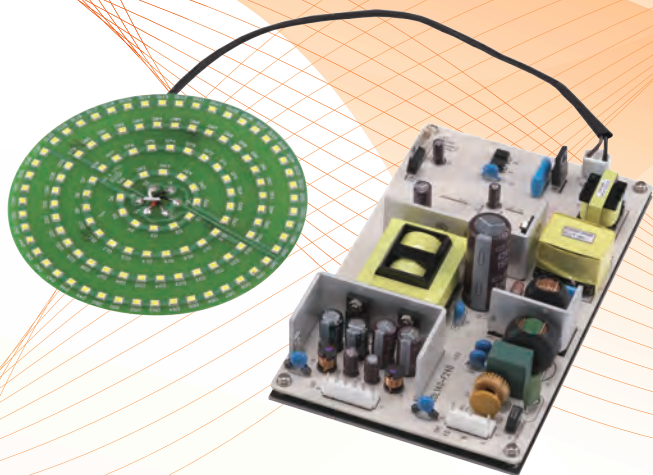
Operating Temperature	0 to + 40°C
Storage Temperature	-20 to + 80°C
Relative Humidity	Operating : 20 to 80% RH Storage : 10 to 90% RH
Cooling	Natural Convection Cooling

Mechanical

Case Dimension	P - L 87 x W 52 x H 30.3 (mm) W - L 109 x W 52 x H 33.5 (mm)
Weight	235g (Ref.)



Integrated 140 Watt Open Frame Power Supply



Features :

- 100-240VAC Universal Input
- Dual Output to 140W for Main Power
- Integrate with LED Driver
- 5-Way Dimmer
- Application : Vending Machine

Main Power

O/P Voltage	O/P Current	Watt
24.0V	3.0A (Peak 4.5A / 15S max.)	104W (Peak 140W)
8.0V	4.0A	

LED Driver

O/P Voltage	O/P Current
18V~170V	80mA

Input

Voltage	100-240VAC
Line Frequency	50-60Hz
Current	1.9A Max.
Protection	Internal Primary Current Fuse

Output

Main Power	
Output Voltage	24V $\pm$ 10% (Typical)
	8V $\pm$ 7% (Typical)
Output Current	24V / 0.2~3.0A (Peak 4.5A / 15s Max.)
	8V / 0.2~4.0A
LED Driver	
Output Voltage	18V~170V
Output Current	80mA Max. (Constant Current)
Protection	Short Circuit Protection / Over Voltage Protection / Over Current Protection / Over Temperature Protection

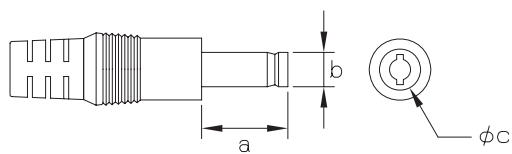
5 Way-Dimmer

Dimming rate	Dimming signal 1	Dimming signal 2	ON / OFF
100% (full)	High (24V)	High (24V)	Low (0~1V)
50%	Low (0~1V)	High (24V)	Low (0~1V)
25%	High (24V)	Low (0~1V)	Low (0~1V)
10%	Low (0~1V)	Low (0~1V)	Low (0~1V)
0%	-	-	High (24V)

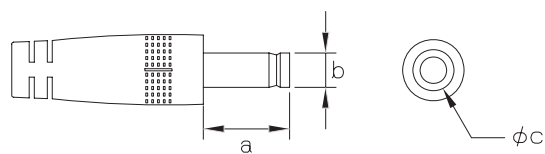
Mechanical

Dimension	L 110 $\times$ W 185 $\times$ H 40 (mm)
Weight	430g (Ref.)

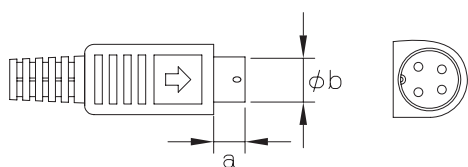
Output Plug Types



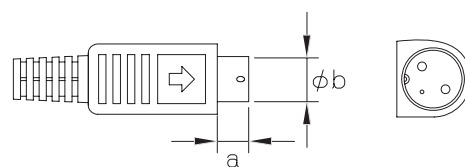
TYPE	a	b	c
OP-01	9.5	5.5	2.1



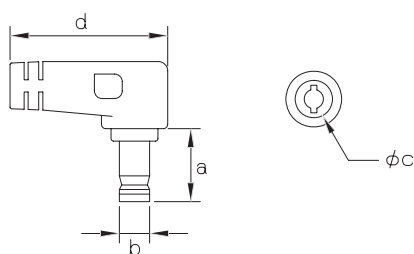
TYPE	a	b	c
OP-02	9.5	5.5	2.5



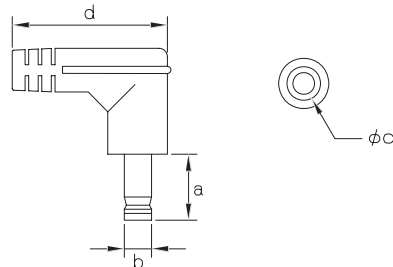
TYPE	a	b
OP-03	6	12



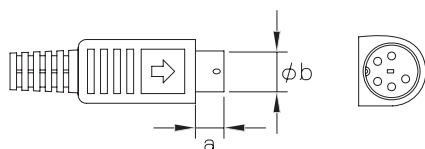
TYPE	a	b
OP-04	6	12



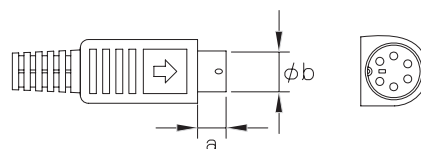
TYPE	a	b	c	d
OP-05	9.5	5.5	2.1	18.5



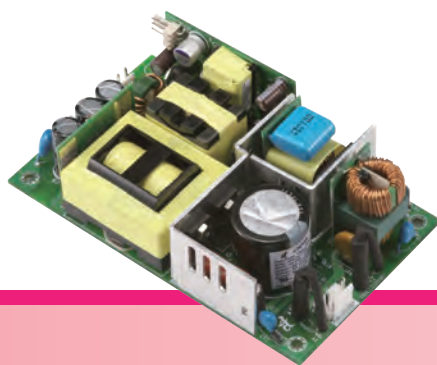
TYPE	a	b	c	d
OP-06	9.5	5.5	2.1	18.5



TYPE	a	b
OP-07	6	12



TYPE	a	b
OP-08	6	12



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