

Features

- Universal Input 100~240VAC 50/60Hz
- IEC/EN/ANSI/AAMI ES 60601-1 (ED 3.1)
- EMC: IEC60601-1-2:2014(ED 4.0)
- Safety Approvals: cULus / UKCA / CB / PSE / FCC / CE / TUV / RoHS / REACH
- Means of Protection: 2 X MOPP
- Touch Current: < 100µA
- Single Output to 160W
- Regulated Output with Low Ripple Noise
- Safety Agency Requirements and EMI/EMS Certified
- Meets DoE Level VI, Energy Star, ErP Stage 2
- No Load Power Consumption Less Than 0.21W
- IEC C14 Connector
- Dimensions: L 183 x W 81 x H 42 (mm)
- Weight: 820g



The purpose of the document is to specify a Single-phase AC input, single output switching power supply. This specification is for: Desktop Power Supplies 160W Series. This product is suitable for use in medical applications. This Specification defines the input, output, performance characteristics, environment, noise and safety requirements.

Models

Model Number	Output Voltage	Output Current	Output Power
44ATM160T-P120	12V DC	12.5A	150W
44ATM160T-P240	24V DC	6.6A	158.4W
44ATM160T-P480	48V DC	3.3A	158.4W

General Specification

Type	Switched Mode Power Supply
Input Connector	IEC 320-C14
Output Connection	4 Pin Kycon
Number of Outputs	1
Energy Efficiency Level	VI
Mounting Style	Desktop
MTBF	300,000 hours calculated at 25°C, by Telcoria SR-332
Power Indicator	LED Indicator for power on
Cable Length	1200mm(±30mm) – 1500mm(±30mm) Depending on Model
Cable Type	16AWG/18AWG/20AWG (Depending on model)
Medical Approved	Yes

Mechanical Specifications

Housing Material	Fully Enclosed Plastic Case
Overall Dimensions	183mm x 81mm x 42mm
Overall Length	183mm
Overall Height	42mm
Overall Width	81mm
Weight	820g

Input Specifications

Rated Input Voltage	100~240Vac (±10%)
Rated Frequency	50/60Hz
Efficiency Level VI	Level VI / Efficiency (EU) 2019/1782
Input Current	1.8A-0.9A
Inrush Current	100A Max. / 230Vac (Cold Start At 25°C, Full Load)
Touch Current	Less than 100µA
Input Protection	Internal Primary Current Fuse

Output Specifications

Output Regulation	±5%
Ripple & Noise (max.)	240 mV for 12V Model, 480 mV for 24V Model , 960 mV for 48V Model
Voltage Tolerance	±5%
Load Regulation	±5%
No Load Power Consumption	<0.21W
Number of Outputs	1
Insulation Class	I
Dielectric Strength	Primary to Secondary 4,000Vac for 1 Minutes
Isolation Resistance	10MΩ for 500Vdc
Short Circuit Protection	Auto-recovery
Over Voltage Protection	V out * 150% MAX., latch off
Over Current Protection	I out * 150% MAX., auto-recovery

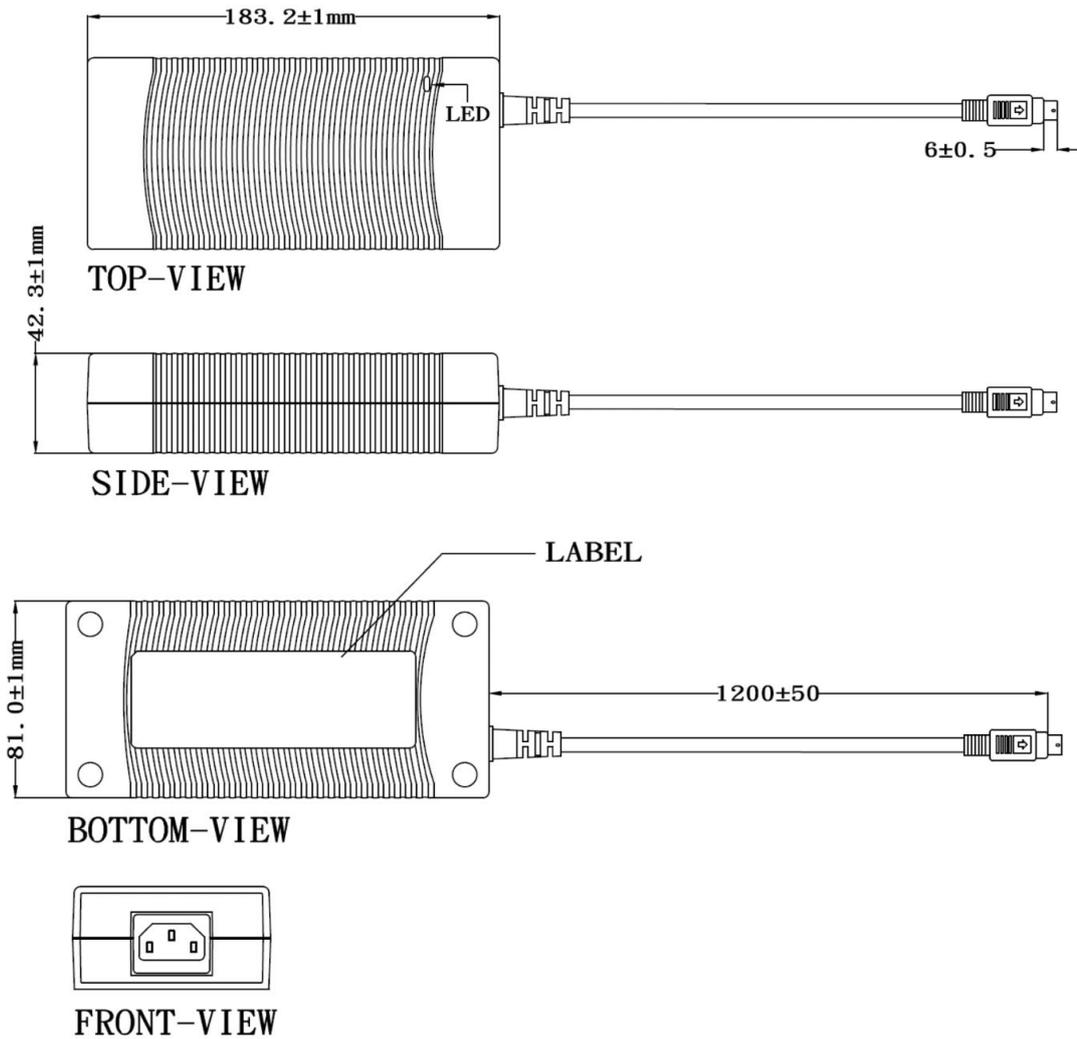
Protection Category

Means of Protection	2 X MOPP
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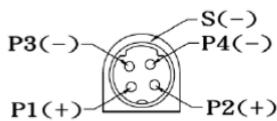
Approvals

Compliance/Certifications	CB / cULus/ FCC / CE / UKCA / T-mark / TUV / PSE
Safety Standard	IEC/EN/ANSI/AAMI ES 60601-1
EMC Emission:	Directive 93/42/EEC (EN 60601-1-2)

Mechanical Drawing



AC - DC



Output cable plug pin assignment

100%

iP IDEALPOWER

Medical Power Supply
 Model : ATM160T-P120
 INPUT : 100-240V ~ 50-60Hz 1.8-0.9A
 OUTPUT : 12.0V = 12.5A 150.0W
<http://www.adaptertech.com.tw>

UK CA FC CE C US E225703
 RoHS COMPLIANT
 MADE IN CHINA ID NO. A XXX
 JET
 IP: 100-240V AC 50-60Hz 1.8-0.9A MAX. DP-4210V13.3A @P/N: 44ATM160T-P120
 ADAPTER TBCEL