

Features

- Universal Input 100~240VAC 50/60Hz
- Operating Temperature Range: -20°C~40°C
- 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
- 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



Ideal Power's 44ATM120T-Pxyz 120W AC/DC External Desktop Power Supply (PSU) Series are certified to cULus / UKCA / CB / PSE / FCC / CE / TUV / RoHS / REACH & IEC 60601-1-2:2014(ED 4.0) Standards and comply with (EU) 2019/1782, Level VI Efficiency Regulations. These are primarily used in Medical, ITE, Audio & Video Industries and customised solutions are available upon request.

Models

Model Number	Output Voltage V DC	Output Current A	Output Power W
44ATM120T-P120	12	9	108
44ATM120T-P150	15	8	120
44ATM120T-P180	18	6.67	120
44ATM120T-P200	20	6	120
44ATM120T-P240	24	5	120
44ATM120T-P480	48	2.5	120

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	168mm x 66mm x 39mm
Overall Length	168mm
Overall Height	39mm
Overall Width	66mm
Weight	590g

Input Specifications

Rated Input Voltage	100~240Vac (±10%)
Rated Frequency	50/60Hz
Efficiency Level VI	Level VI / Efficiency (EU) 2019/1782
Input Current	1.5A-0.7A
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.)	1% Vp-p Max. for Output Voltage @ Full Load (1.25% for 12V 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 Minute
Isolation Resistance	10MΩ for 500Vdc
Short Circuit Protection	Auto-recovery
Over Voltage Protection	V out * 150% MAX., latch off.
Over Current Protection	I out * 170% MAX., auto-recovery
Operating Temperature	-20 to + 40°C
Storage Temperature	-20 to + 80°C
Relative Humidity	Operating : 20 to 80% RH / Storage : 10 to 90% RH

Protection Category

Means of Protection	2 X MOPP
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Approvals

Compliance/Certifications

CB / cULus/ FCC / CE / UKCA / T-mark / TUV / PSE

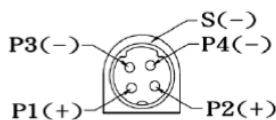
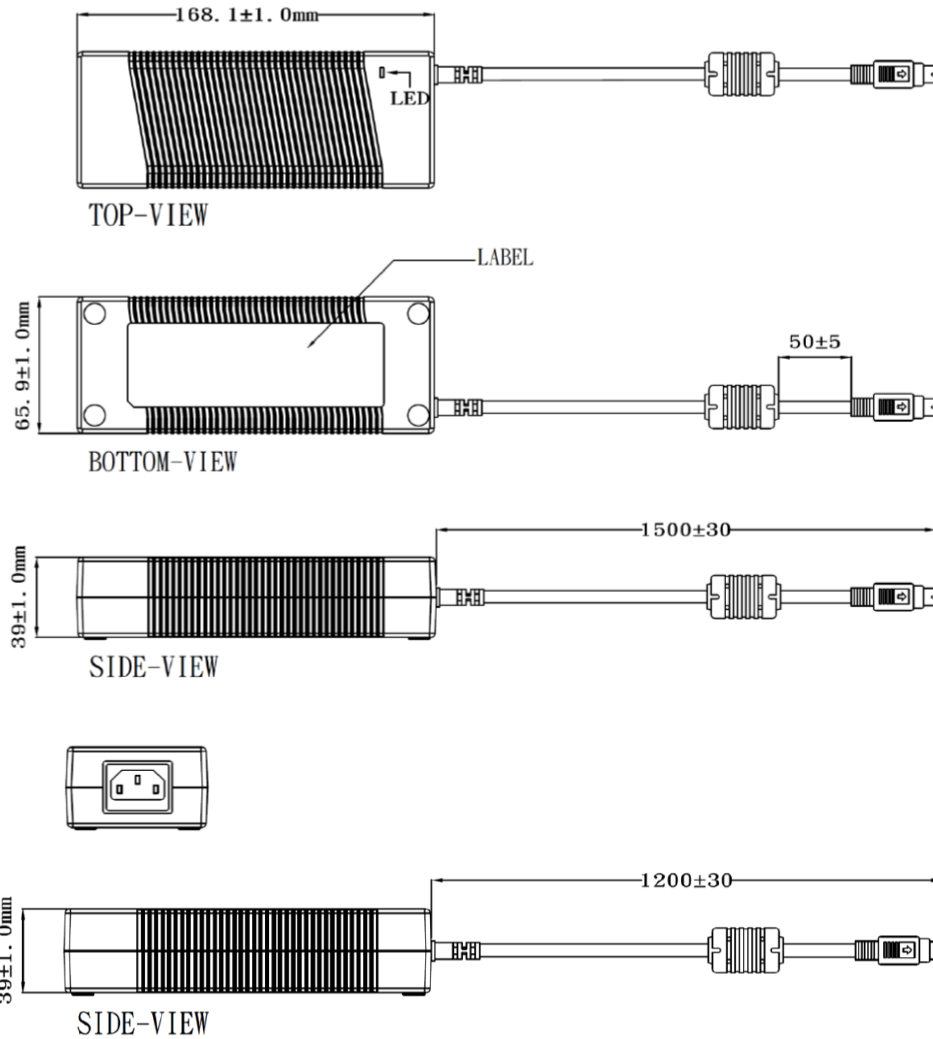
Safety Standard

IEC/EN/ANSI/AAMI ES 60601-1

EMC Emission:

Directive 93/42/EEC (EN 60601-1-2)

Mechanical Drawing



Output cable plug pin assignment

IP IDEALPOWER

Medical Power Supply
 MODEL: ATM120T-P120
 INPUT: 100-240V ~ 50-60Hz 1.5-0.7A
 OUTPUT: 12.0V = 9.0A 108.0W
 CAUTION: Risk of electric Shock,
 dry location use only.
 Indoor use only.
 EFFICIENCY LEVEL VI
<http://www.adaptertech.com.tw>

P3(-) S(-)
 P4(-)
 P1(+) P2(+)
 C US
 E225703
 S/N: XXYZZZZZZ
 MADE IN CHINA
 ID NO. A
 xxx
 ADAPTER TECH.

JET
 IP: 100-240V AC 50-60Hz 130VA-145VA 1.5-0.7A
 OP: 12V DC 9A

AC - DC