

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
- 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 44ATM300T-Pxyz 300W 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
44ATM300T-P120	12	25	300
44ATM300T-P240	24	12.5	300

General Specification

Type	Switched Mode Power Supply
Input Connector	IEC 320-C14
Output Connection	8 Pin Molex 39-01-2080
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	1000mm(±30mm)
Cable Type	16AWG/18AWG/20AWG (Depending on model)
Medical Approved	Yes

Mechanical Specifications

Housing Material	Fully Enclosed Plastic Case
Overall Dimensions	254mm x 116mm x 47mm
Overall Length	254mm
Overall Depth	116mm
Overall Width	47mm
Weight	1600g

Input Specifications

Rated Input Voltage	100~240Vac ($\pm 10\%$)
Rated Frequency	50/60Hz
Efficiency Level VI	Level VI / Efficiency (EU) 2019/1782
Input Current	3.5A-1.5A
Inrush Current	150A Max. / 230Vac (Cold Start At 25°C, Full Load)
Touch Current	Less than 100 μ A
Input Protection	Internal Primary Current Fuse

Output Specifications

Output Regulation	$\pm 5\%$
Ripple & Noise (max.)	1% Vp-p Max. for Output Voltage @ Full Load
Voltage Tolerance	$\pm 5\%$
Load Regulation	$\pm 5\%$
No Load Power	<0.21W
Hold-up Time	10mS @ Full Load
Transient Response	0.5mS for 50% Load Change (Typical)
Number of Outputs	1
Insulation Class	I
Dielectric Strength	Primary to Secondary 4,000Vac for 1 Minutes
Isolation Resistance	10M Ω for 500Vdc
Over Circuit Protection	Auto-recovery
Over Voltage Protection	V out * 150% MAX., latch off
Over Current Protection	I out * 170% MAX., auto-recovery

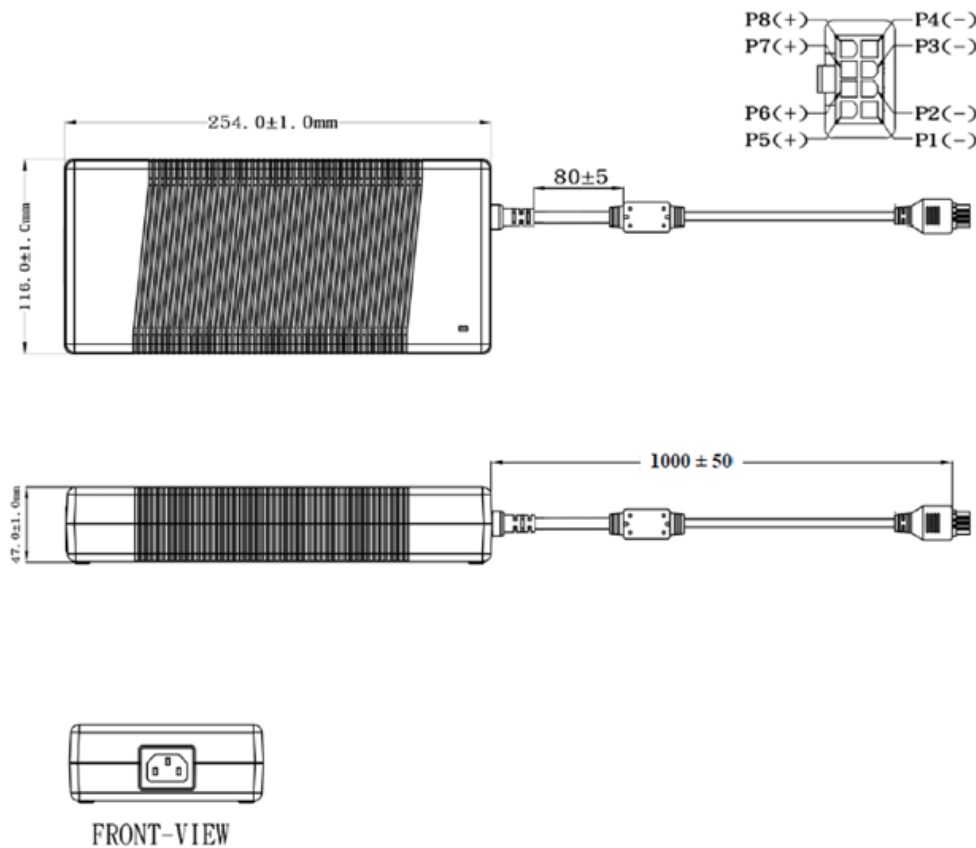
Protection Category

Means of Protection	2 X MOPP
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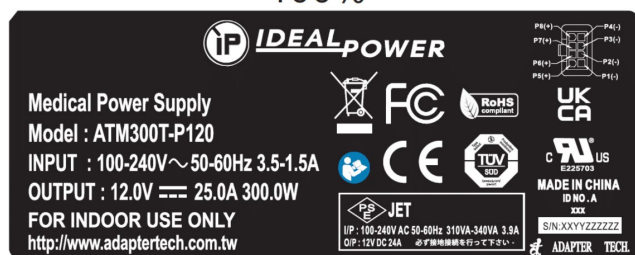
Approvals

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



100%



Ideal Power Limited

14 Larks Way, Tree Beech Enterprise Park, Gunn, Barnstaple, Devon, EX32 7NZ.
 www.idealpower.co.uk | +44 (0) 845 260 3400