

## 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
- No Load Power Consumption <0.21W
- Meets DoE Level VI, Energy Star, ErP Stage 2
- IEC C14 Connector



Ideal Power's 44ATM160T-Pxyz 160W 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
44ATM160T-P120	12	12.5	150
44ATM160T-P240	24	6.6	158.4
44ATM160T-P480	48	3.3	158.4

### 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 ( $\pm 10\%$ )
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 100 $\mu$ A
Input Protection	Internal Primary Current Fuse

## Output Specifications

Output Regulation	$\pm 5\%$
Ripple & Noise (max.)	240 mV for 12V Model, 480 mV for 24V Model, 960 mV for 48V Model
Voltage Tolerance	$\pm 5\%$
Load Regulation	$\pm 5\%$
No Load Power	<0.21W
Number of Outputs	1
Insulation Class	I
Dielectric Strength	Primary to Secondary 4,000Vac for 1 Minutes
Isolation Resistance	10M $\Omega$ 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

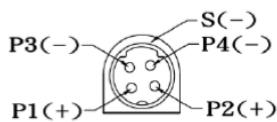
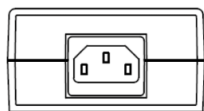
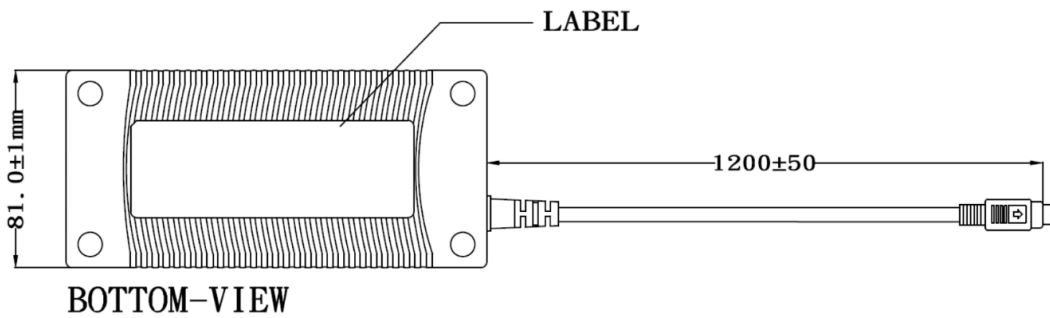
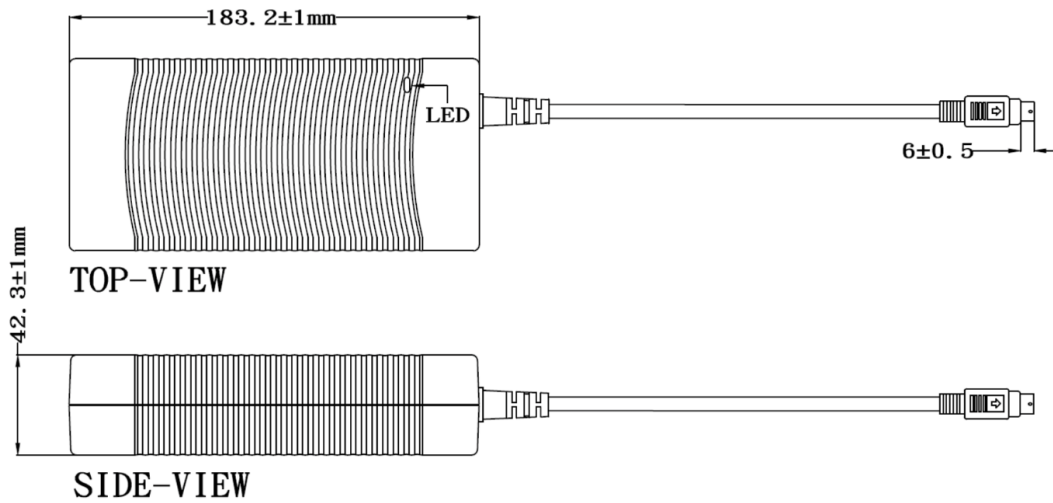
## Protection Category

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



Output cable plug pin assignment

100%

