44ATM065T-P 65W Desktop Series



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
- IEC 62368-1 approval
- Means of Protection: 2 X MOPP
- Touch Current: < 100μA
- Single Output to 36W
- 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 0.075W
- IEC C14 Connector
- Dimensions: L 119 x W 60 x H 36 (mm)
- Weight: 350g



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 60W~65W Series. This product is suitable for use in medical applications. This Specification defines the input, output, performance characteristics, environment, noise and safety requirements.

Models

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Model Number	Output Voltage	Output Current	Output Power
44ATM065T-P120	12V DC	5A	60W
44ATM065T-P150	15V DC	4.34A	65W
44ATM065T-P180	18V DC	3.62A	65W
44ATM065T-P240	24V DC	2.71A	65W
44ATM065T-P300	30V DC	2.17A	65W
44ATM065T-P480	48V DC	1.36A	65W

General Specification

TypeSwitched Mode Power SupplyInput ConnectorIEC 320-C14Output Connection2.1x5.5x11.0mm +ve inner/centreNumber of Outputs1Energy Efficiency LevelVI	
Output Connection 2.1x5.5x11.0mm +ve inner/centre Number of Outputs 1	
Number of Outputs 1	
Energy Efficiency Level VI	
Mounting Style Desktop	
MTBF300,000 hours calculated at 25°C, by Telcoria SR-332	
Power Indicator LED Indicator for power on	
Cable Length1500mm(±30mm)	
Cable Type 16AWG/18AWG/20AWG (Depending on model)	
Medical Approved Yes	

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Mechanical Specifications

Housing Material	Fully Enclosed Plastic Case
Overall Dimensions	119mm x 60mm x 36mm
Overall Length	119mm
Overall Depth	60mm
Overall Width	36mm
Weight	350g

Input Specifications

Rated Input Voltage	100~240Vac (±10%)
Rated Frequency	50/60Hz
Efficiency Level VI	Level VI / Efficiency (EU) 2019/1782
Input Current	1.6A-0.7A
Inrush Current	80A 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
Voltage Tolerance	±5%
Load Regulation	±5%
No Load Power Consumption	<0.15W
Hold-up Time	10mS @ Full Load
Transient Response	0.5mS for 50% Load Change(Typical)
Number of Outputs	1
Insulation Class	
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	l out * 170% MAX., auto-recovery

Protection Category

Means of Protection

2 X MOPP

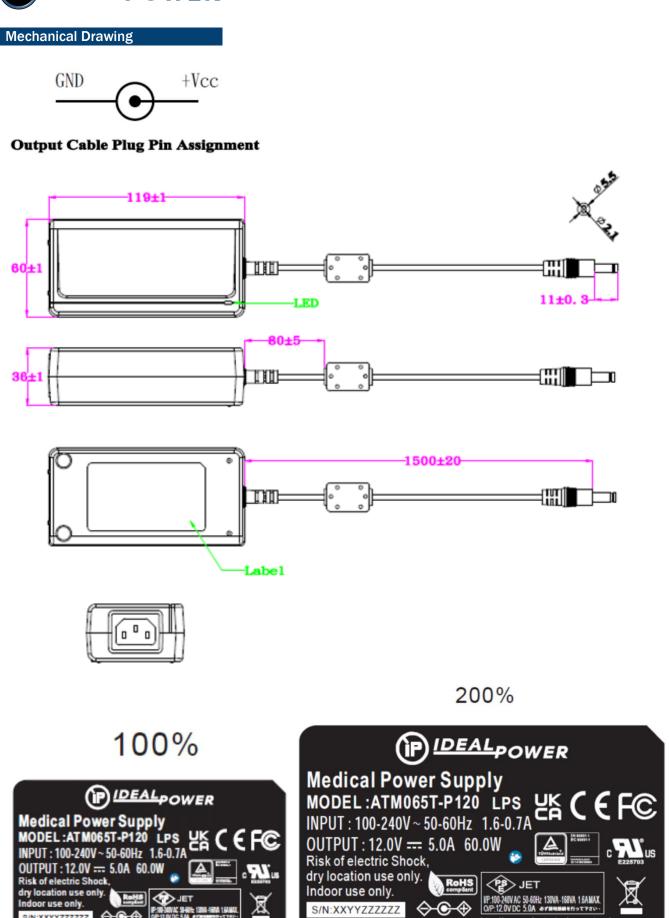
Approvals

Compliance/Certifications	CB / cULus/ FCC / CE / UKCA / T-mark / TUV / PSE	
Safety Standard	IEC/EN/ANSI/AAMI ES 60601-1, IEC/UL/EN 62368-1	
EMC Emission:	Directive 93/42/EEC (EN 60601-1-2)	

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EFFICIENCY LEVEL

ADAPTER