



18W Medical Grade Adapter



Features

- Meets DoE Level VI
- IEC60601-1:2005+A1:2012 2xMOPP approved
- IEC60601-1-2 Ed4 2014 compliance
- Suitable for BF applications with system consideration
- OVP, OCP, SCP, OTP, brown-in and brown out protections
- LPS compliant

Applications

- CPAP & BIPAP machines
- Medical imaging
- Nebulizers
- Blood pressure monitor

Safety Approvals

- ANSI/AAMI ES60601-1
- IEC 60601-1-11
- IEC 60601-1

Mechanical Characteristics

- Length: 82mm (3.23in)
- Width: 43.2mm (1.7in)
- Height: 30mm (1.18in)

Output Specifications

Model	DC Output Voltage	Load		Ripple ⁽¹⁾ P-P (max.)	Regulation Line & Load	Case Color
		Min.	Max.			
PMA18A-120PHW-R	12V	0A	1.5A	150mV	±5%	White

Notes: (1)Test by 20Mhz bandwidth mode hi resolution with 10uF and 0.1uF capacitor

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Input:**AC Input Voltage Rating**

110 to 240V AC

AC Input Voltage Range

100 to 240V AC

AC Input Frequency

50 to 60Hz

Input Current

0.6A ~ 0.25A at 100VAC ~ 240VAC

Leakage Current

<100uA at 264VAC/50Hz

Inrush Current

80A maximum at 240V AC

(Cold start & at input rated voltage +/-12.5%)

Output:**Efficiency**

DOE Level VI

Environmental:**Temperature**

Operation 10°C to +40°C

Non-operation -20°C to +80°C

Relative Humidity 95% RH Max

Emissions

Complies with FCC Class B

Complies with EN55032 Class B

Immunity

ESD: EN 61000-4-2

RS : EN61000-4-3

EFT/Burst : EN61000-4-4

Surge: EN 61000-4-5

CS : EN61000-4-6

Power Frequency Magnetic Field : EN61000-4-8

Voltage Dips : EN61000-4-11

Over-Voltage Protection

16V maximum

Short-Circuit Protection

The power supply shall be protected when operating any output in overload condition, or when operating any output in a short. The power supply shall be self-recovering when the fault condition is removed circuit condition.

Over-Current Protection

The power supply will be protected when output power at 2.2A(min) of all rated dc output

Over-Temperature Protection

Over-temperature protection sensor

Dielectric Withstand (Hi-pot) Test

Pri. to Sec. >4000VAC 10mA for 1 Minute

DC Output Connector

DC plug type 5.5 x 2.1 x 10mm (fork & groove)

DC plug pin assignment: Inner (+V), Outer GND(-)

Dimension Diagram Unit: mm (inch)

