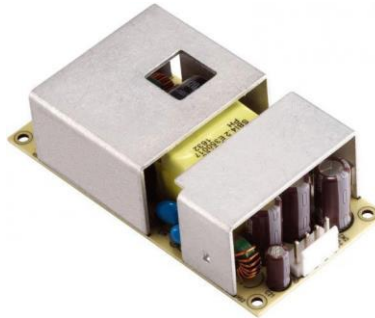




65W 2"x4" Open Frame Medical Power Supply Series



Features

- 2x4" Footprint
- Low Profile
- OVP, SCP and OCP
- < 100 μ A Touch Current
- MOPP x 2
- Low Cost
- Class B EMI
- Meets DOE Level VI
- Class II Design

Applications

- Medical Devices
- Diagnostic Equipment

- Meets IEC/EN/ANSI/AAMI ES 60601-1 (ED 3.1)

Mechanical Characteristics

- Length: 101.6mm (4in)
- Width: 50.8mm (2in)
- Height: 28.1mm (1.12in)
- Weight: 141g (4.97oz)

Output Specifications

| Model | Output Voltage | Max Current | Output Power | Regulation | Ripple & Noise ¹ P-P(max) |
|------------|----------------|-------------|--------------|------------|--------------------------------------|
| PML065-120 | 12V | 5A | 60W | $\pm 5\%$ | 150mV |
| PML065-150 | 15V | 4.34A | 65W | $\pm 5\%$ | 150mV |
| PML065-180 | 18V | 3.62A | 65W | $\pm 5\%$ | 180mV |
| PML065-190 | 19V | 3.43A | 65W | $\pm 5\%$ | 190mV |
| PML065-240 | 24V | 2.71A | 65W | $\pm 5\%$ | 240mV |
| PML065-480 | 48V | 1.36A | 65W | $\pm 5\%$ | 480mV |

Notes: 1. 20 MHz bandwidth frequency oscilloscope and add a 0.1 μ F multilayer cap. and a Low ESR electrolytic cap. (10 μ F) at output connector terminals. (at nominal line voltage, full load)

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INPUT:**AC Input Voltage Range**

100 to 240VAC

AC Input Current

1.6A max

Leakage Current

<0.1mA

AC Input Frequency

50-60Hz

AC Inrush Current

80A max/230VAC

(cold start at 25°C, full load)

Input Power Saving $\leq 0.21\text{W}$ at 230VAC, no load**OUTPUT:****Efficiency** $\geq 88\%$ average at 115VAC & 230VAC**Over Voltage Protection**

V out 150%

Short Circuit Protection

Auto-recovery after short-circuit fault being removed

Over Current Protection

I out 180%

ENVIRONMENTAL:**Temperature**

Operation 0 to +50°C

Non-operation -20 to +80°C

Humidity

Operating 20% to 80%

Storage 10% to 90%

EMC

Complies with FCC Part 18 Class B

Complies with EN55011 Class B

Dielectric Strength

Cut off current 10mA

Primary to secondary 4000VAC for 1min

Insulation Resistance

Primary to secondary 10M ohm for 500VDC

Input Connector

CN1 2PIN WAFER (Pitch=7.92mm)

Output Connector

CN2 4PIN WAFER (Pitch=3.96mm)

Dimension Diagram Unit: mm

