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

Features

- 2x4” Footprint
- 5000 Meter Operating Altitude
- OVP, SCP and OCP
- < 100μA Touch Current
- Meets IEC 60601-1-2 Edition 4
- Low Cost
- Class B EMI
- Meets DOE Level VI
- Class II Design
- 2X MOPP

Applications

- Medical

Safety Approvals

- ANSI/AAMI ES 60601-1
- IEC/EN 60601-1

Mechanical Characteristics

- Length: 101.6mm (4in)
- Height: 28.1mm (1.12in)
- Width: 50.8mm (2in)
- 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	±5%	150mV
PML065-150	15V	4.34A	65W	±5%	150mV
PML065-180	18V	3.62A	65W	±5%	180mV
PML065-190	19V	3.43A	65W	±5%	190mV
PML065-240	24V	2.71A	65W	±5%	240mV
PML065-480	48V	1.36A	65W	±5%	480mV

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

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INPUT:

AC Input Voltage Range
90 to 264VAC

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
≤0.21W at 230VAC, no load

OUTPUT:

Efficiency
≥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

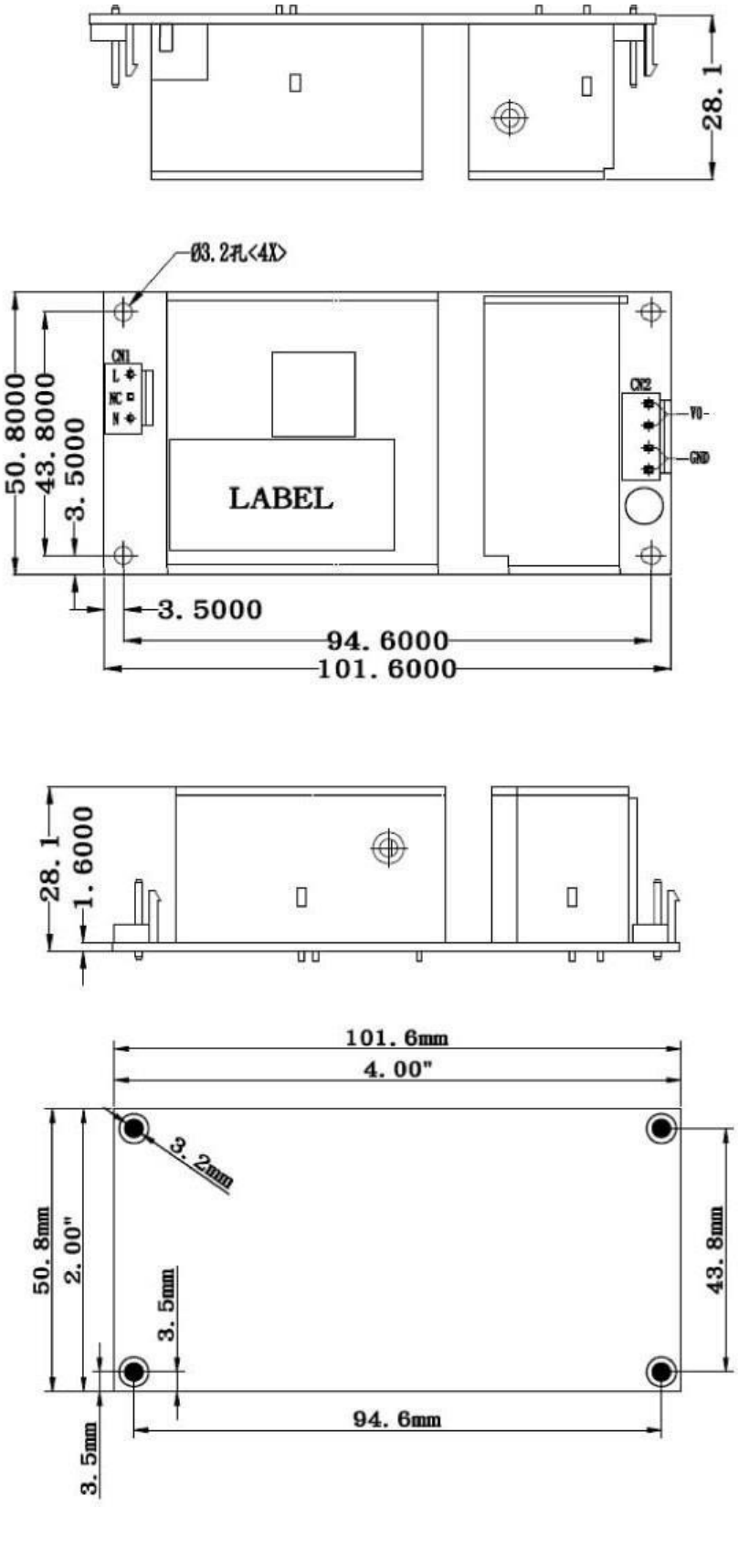
Operating	20% to 80%
Storage	10% to 90%

EMC
Complies with FCC Class B Part 18
Complies with CISPR 11 Class B
Complies with IEC 60601-1-2 (Ed 4)

Dielectric Strength
Cut off current 10mA
Primary to secondary 4000VAC for 1min

Insulation Resistance
Primary to secondary 10M ohm for 500VDC

Input Connector
GEH-OSWEGO 3961-03N2 equivalent to JST B2P3-VH
Mating Connector: JST VAR-2

Output Connector
GEH-OSWEGO 3961-04 equivalent to JST B4P-VH
Mating Connector: JST VHR-4N

Dimension Diagram Unit: