

100 Watts Single Output AC-DC Open Frame Type Medical Power

FEATURES

- ◆ Compact size 2" x 4" x 1.26"
- ◆ High power density 10 W/cubic inch
- ◆ Protections: OCP, OVP, Short Circuit
- ◆ 100 W output with convection cooling up to +50°C
- ◆ Low earth leakage current
- ◆ EN55011/55022 class B emissions
- ◆ RoHS compliant



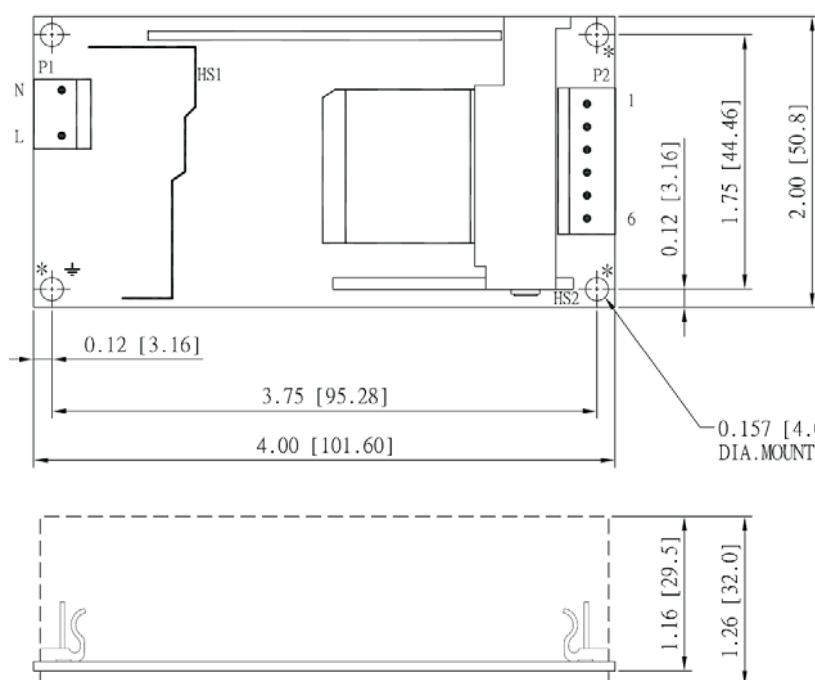
SPECIFICATIONS

Input Voltage	90-264 VAC
Input Frequency	47-63Hz
Input Current	1.9A max.
Inrush Current	40A/100VAC or 80A/230VAC at 25°C cold start
Earth Leakage/Touch Current	150uA/100uA max. at 264 VAC/63Hz
Line regulation	0.2% max. at full load
Withstand voltage	5600VDC from input to output
Hold Up Time	12ms min. at 110VAC
Operating Temperature	-10 to +70°C
	Derate from 100% at +50°C linearly to 50% at +70°C
Storage Temperature	-40 to +85°C
Operating Humidity	10% to 90%
Storage Humidity	5% to 95%
Safety Standard	UL ES 60601-1/CSA-C22.2 No. 60601-1, CE
EMC Standard	EN55011, EN55022 class B
	EN61000-3-2,3, EN61000-4-2,3,4,5,6,8,11

All specifications are typical at nominal line, full load and 25°C; unless otherwise noted.

Model Number	Output Voltage	Output Current	Output Max. Watts	EFF. 115V/230V
FPM100-S050	5VDC	20.0A	100W	87/88%
FPM100-S120	12VDC	8.34A	100W	88/89%
FPM100-S150	15VDC	6.70A	100W	88/89%
FPM100-S180	18VDC	5.56A	100W	88/89%
FPM100-S240	24VDC	4.20A	100W	87/90%
FPM100-S280	28VDC	3.58A	100W	87/90%
FPM100-S360	36VDC	2.78A	100W	88/89%
FPM100-S480	48VDC	2.10A	100W	88/89%

MECHANICAL DRAWING (Unit: mm)



NOTES:

1. Dimensions shown in inches [mm]
2. Tolerance 0.02 [0.5] maximum
3. Connector P1: Molex header 09-65-2038 or equivalent mating with Molex housing 09-50-1031 or equivalent.
4. Connector P2: Molex header 09-65-2068 or equivalent mating with Molex housing 09-50-1061 or equivalent.
5. To ensure compliance with level B emissions, connect the three "*" marked mounting holes with metallic standoffs to chassis.
6. Weight: 190 grams (0.44 lbs.) approx.

OUTPUT PIN CHART

PIN NO	SINGLE
1	V1 Return
2	
3	
4	+V1
5	
6	