

100 ~ 150 Watts Single Output AC-DC Open Frame Type Medical Power

FEATURES

- Compact size & Low profile 2" x 4" x 1.3"
- Operation altitude up to 5000meters
- Protections: OCP, OVP, OTP, Short Circuit
- Power Factor 0.98 typical
- Low earth leakage current less than 275uA
- EN55011/55022 class B emissions
- Power Fail Detect(PFD) signal (optional)
- BF Class insulation

SPECIFICATIONS

Input Voltage	80-264 VAC
Input Frequency	47-63Hz
Input Current	1.7A max.
Inrush Current	80A/115VAC or 160A/230VAC at 25°C cold start
Earth Leakage/Touch Current	275uA/100uA max. at 264 VAC/63Hz
Line regulation	0.5% max. at full load
Remote Sense	Compensation for cable losses up to 0.5V
Withstand voltage	565VDC from input to output
Hold Up Time	10ms min. at 120VAC
Operating Temperature	0 to +70°C
	Derate from 100% at +50°C linearly to 50% at +70°C
Storage Temperature / Humidity	-40 to +85°C / 5% to 95%
Fan Power	12V at 0.5A max. (Isolate)
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.

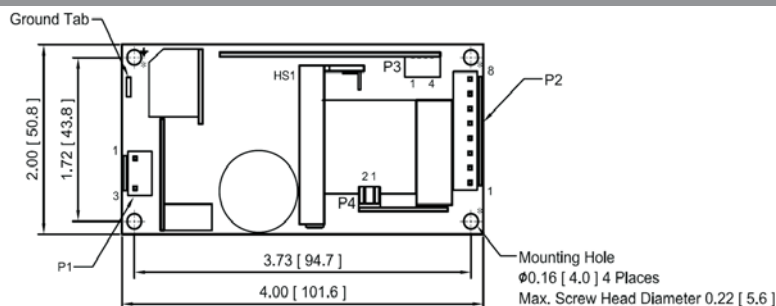


Model Number	Output Voltage	Output Current			Output Max. Watts	EFF. 115V/230V
		convection	7.5CFM	Peak		
FPM150-S120	12VDC	8.35A	12.5A	14.0A	100W/150W	90/92%
FPM150-S150	15VDC	6.70A	10.0A	11.0A	100W/150W	89/91%
FPM150-S180	18VDC	5.56A	8.34A	9.20A	100W/150W	91/92%
FPM150-S240	24VDC	4.20A	6.25A	7.00A	100W/150W	89/92%
FPM150-S300	30VDC	3.34A	5.00A	5.60A	100W/150W	89/92%
FPM150-S360	36VDC	2.78A	4.17A	4.60A	100W/150W	90/92%
FPM150-S480	48VDC	2.10A	3.13A	3.50A	100W/150W	89/92%

Notes:

- 1.To order a model with PFD signal, please consult factory to get an exclusive part number distinguishing it from the standard model without PFD signal.
- 2.Peak output current with 10% duty cycle maximum for less than 15 seconds average power not to exceed maximum power rating.
- 3.The first value of max. power is at convection cooling. The second value is with 7.5 CFM forced air provided by user.

MECHANICAL DRAWING (Unit: mm)



NOTES:

- 1.Dimensions shown in inches [mm]
 - 2.Tolerance 0.02 [0.5] maximum
 - 3.Input connector P1: JST header B4B-PH-K-S (LF) (SN) , mating with JST housing P1N VHR-3N or equivalent.
 - 4.Output connector P2: JST header P1N B8P-VH, mating with JST housing P1N VHR-8N or equivalent.
 - 5.Connector P3: JST header B4B-PH-K-S (LF) (SN) , mating with JST housing PHR-4 or equivalent.
 - 6.FAN connector P4: JST header B2B-PH-K-S (LF) (SN) , mating with JST housing PHR-2 or equivalent.
 - 7.Ground tab is 0.25 [6.35] X 0.032 [0.8] fast-on connector.
 - 8.To ensure compliance with level B emissions, connect the three " * " marked mounting holes with metallic standoffs to chassis.
- Weight: 200 grams (0.44 lbs.) approx.

PIN CHART

Connector	P1			P2							
PIN NO.	1	2	3	1	2	3	4	5	6	7	8
Polarity	Neutral	Void	Live	Common Return				+V1			

Connector	P3				P4	
PIN NO.	1	2	3	4	1	2
Polarity	Common Return	PFD (Optional)	-Sense	+Sense	Fan Return (Isolated)	+12V Fan