

450 ~ 500 Watts Single Output AC-DC U-bracket Type Medical Power

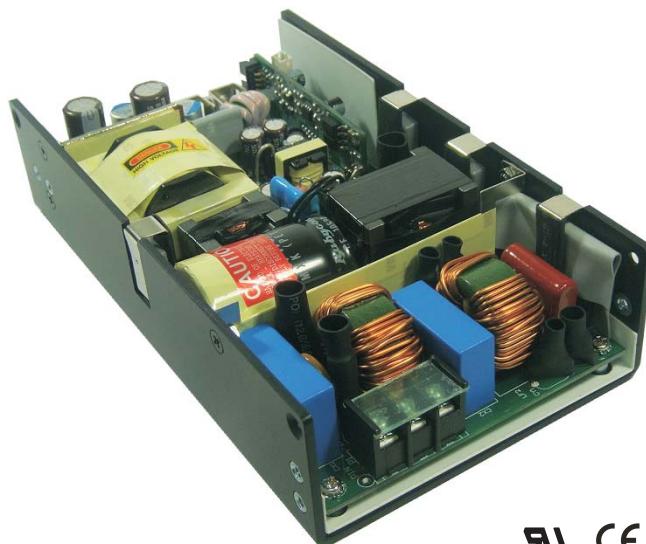
FEATURES

- ♦ 100-240 VAC input with active PFC
- ♦ Operation altitude up to 5000meters
- ♦ Inhibit - TTL high to disable output
- ♦ Power consumption in standby mode less than 1W
at standby power 5V /100 mA
- ♦ Less than 300uA leakage current
- ♦ EN55011/55022 class B emissions ; BF Class insulation
- ♦ Compliant with RoHS requirements

SPECIFICATIONS

Input Voltage	90-264 VAC
Input Frequency	47-63Hz
Input Current	5.2A max.
Inrush Current	30A/115VAC or 60A/230VAC at 25°C cold start
Earth Leakage/Touch Current	300uA/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	20ms min. at 110VAC & 500W
Operating Temperature	-10 to +70°C
	Derating 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 300mA max.
Safety Standard	UL ES 60601-1/CSA-C22.2 No. 60601-1, CE
EMC Standard	EN55011/55032 class B, EN60601-1-2, EN55024 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.



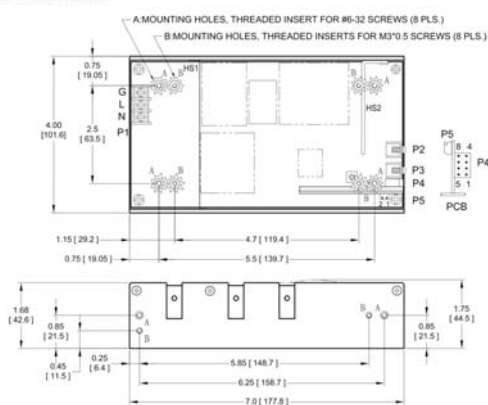
Model Number	Output Voltage	Output Current		Output Max. Watts	EFF. 115V/230V
		convection	30CFM		
FPM500-S120-z	12VDC	29.17A	37.5A	350W/450W	88/90%
FPM500-S150-z	15VDC	23.34A	30.0A	350W/450W	88/90%
FPM500-S180-z	18VDC	22.23A	27.78A	400W/500W	88/90%
FPM500-S240-z	24VDC	16.67A	20.84A	400W/500W	89/91%
FPM500-S280-z	28VDC	14.29A	17.86A	400W/500W	89/91%
FPM500-S360-z	36VDC	11.12A	13.89A	400W/500W	89/91%
FPM500-S480-z	48VDC	8.34A	10.42A	400W/500W	89/91%
FPM500-S570-z	57VDC	7.02A	8.78A	400W/500W	89/91%

Notes:

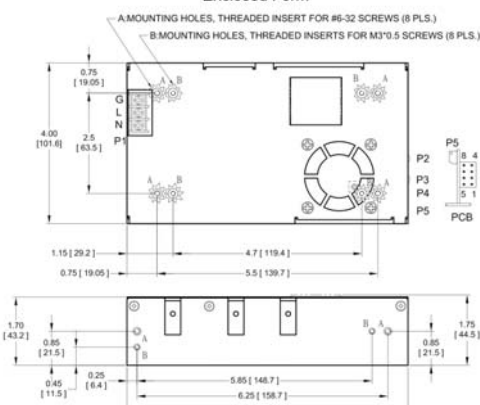
1. z = U for U-Bracket ; z = E for Enclosed
2. 350-400 W without moving air or 450-500 W with 30 CFM forced air provided by user for "U" version, 450-500 W for "E" version.
3. Ripple and noise is maximum peak-to-peak voltage value measured at output within 20 MHz bandwidth, at rated line voltage and output load ranges, and with a 10 uF tantalum capacitor in parallel with a 0.1 uF ceramic capacitor across the output.

MECHANICAL DRAWING (Unit: mm)

U-bracket Form



Enclosed Form



NOTES:

1. Dimensions shown in inches [mm]
2. Tolerance 0.02 [0.5] maximum
3. Input connector P1 is Dinkle terminal P/N DT-35C-B01W-03, with nickel plated M3 screws.
4. Output connectors P2 and P3 are for M4x0.7 screw connections.
5. Output connector P4 is Molex header 87833-08 or equivalent, mating with Molex housing 51110-0850 or equivalent.
6. Fan connector P5 is JST header S2B-ZR-3.4 or equivalent, mating with JST housing ZHR-2 or equivalent.
7. Weight: 1.0 Kg (2.23 lbs.) approx. for U-bracket form, 1.14 Kgs. (2.52 lbs.) approx. for enclosed form
8. Maximum penetration of fixing screws is 4 mm from the outer surface of chassis.

PIN CHART

PIN NO.	P1 (AC)			P2	P3	P5	
	1	2	3			1	2
Polarity	Ground	Live	Neutral	+V1	Common Return	Common Return	+12V Fan

PIN NO.	P4							
	1	2	3	4	5	6	7	8
Polarity	Common Return	+V1 Sense	-V1 Sense	PFD	Inhibit	+5V Standby	NC	NC