

FEATURES

- 9VDC to 48VDC in a 1VDC increments
- Active Power Factor & Harmonic Current Correction
- Short Circuit, Over Load and Over Voltage Protection
- 90-264Vac Wide Range Input
- Over Temperature Protection Option
- UL/cUL 60601 2nd Ed, DEMKO (EN60601 2nd ED), CB and CE Certified
- RoHS Compliant
- Low Profile 1U

260W Medical Power Supply SP-M260 Series



SPECIFICATION

Common Models		SP-M250-09-B	SP-M250-12-B	SP-M250-20-B	SP-M250-24-B	SP-M250-48-B	SP-M250-58-B*
Output Requirements	Voltage (1)	9V	12V	20V	24V	48V	58V
	Current Range	0 ~ 20A	0 ~ 21.67A	0 ~ 13A	0 ~ 10.83A	0 ~ 5.42A	0 ~ 4.5A
	Rated Power	180W	260W	260W	260W	260W	260W
	Ripple & Noise (Max) (2)	1% Pk to Pk					
	Voltage Adjustment Range	± 10%					
	Voltage Tolerance	±5%					
	Line Regulation	±0.5%					
	Load Regulation	±1%					
	Setup, Rise Time	All output shall reach their steady state values within 3 Sec. of turn on					
	Hold Time	16mS min.					
Input Requirements	Rated Voltage	100V ~ 240VAC					
	Frequency	47Hz / 63Hz					
	Efficiency (Typ. @ 115V AC)	75%	85%	85%	85%	85%	85%
	AC Current	4.0A @ 120VAC (max.)					
	Inrush Current	Will not exceed 30A / 115VAC, Cold Start, 25°C					
	Leakage Current	<100 uA					
Protection Requirement	Overload	110-130 % rated output power					
		Hiccup mode, recovers automatically after fault condition is removed					
	Over Voltage	110% ~ 150% rated output voltage					
Hiccup mode, recovers automatically after fault condition is removed							
Short Circuit	Hiccup mode, recovers automatically after fault condition is removed						
Environmental Conditions	Temperature Range	Operational	0°C ~ 50°C with 290 LFM forced air-cooling and or 80 Watts convection cooled.				
		Storage	- 40 ~ +80°C				
	Working Humidity	Operational	20 ~ 90% RH non-condensing				
		Storage	5 ~ 95% R.H				
	Temperature Coefficient	±0.05%/°C typical on all outputs					
Vibration	3G, 10-25Hz, 15min. Per cycle for each axis (X, Y, Z)						



Model		SP-M250-09-B	SP-M250-12-B	SP-M250-20-B	SP-M250-24-B	SP-M250-48-B	SP-M250-58-B*
Safety & EMC	Safety Standards	UL/cUL (60601-1) 2 nd Ed, DEMKO (EN60601 2 nd ED), CE and CB - Safety Pending on 58V model					
	Withstand Voltage	I/P - O/P: 3KVAC (4242 DC), 10mA for 1 minute					
	Isolation Resistance	I/P - O/P, I/P - case: 10M Ohms / 500VDC					
	EMI Conduction & Radiation	EN55022 , FCC Class B					
	EMS Immunity	EN61204, EN61000-3-2, EN61000-3-3					
Others	MTBF	30K HRS Compliance: MIL-HDBK-217F					
	Dimension (L*W*H)	127*83.82*38.1 (mm) - 5.0*3.3*1.5 (inch)					
	Weight	0.18kg - 0.40Lb					

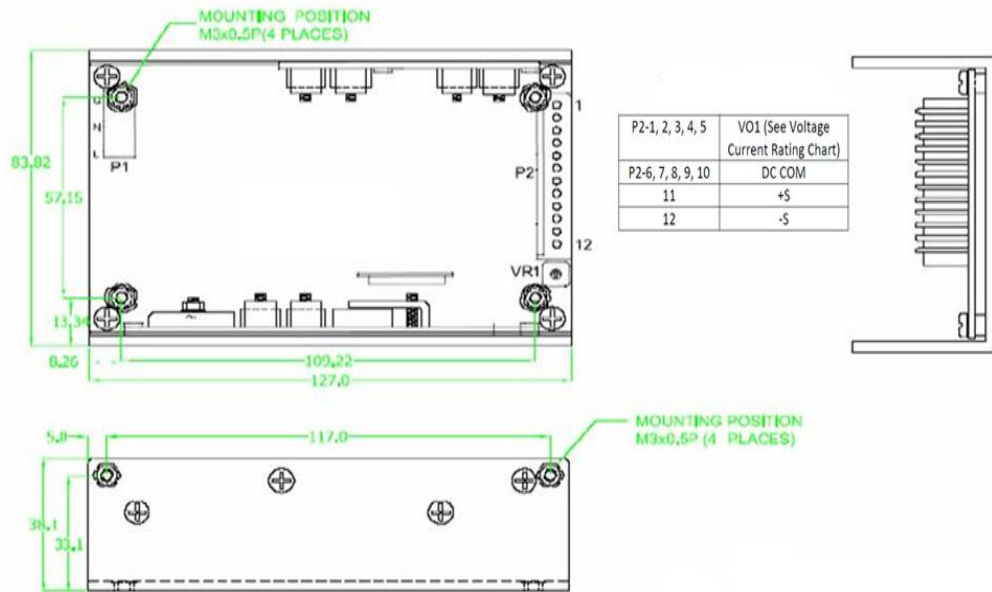
PIN ASSIGNMENT		
Connector	AC	DC
	Input	Output
PIN 1	Line	+V
PIN 2	NC	+V
PIN 3	Neutral	+V
PIN 4	NC	+V
PIN 5	Ground	+V
PIN 6		-V
PIN 7		-V
PIN 8		-V
PIN 9		-V
PIN 10		-V
PIN 11		+S (remote Sense)
PIN 12		-S
Connector	Molex 26-60-4050	Molex 26-60-4120

SHIPPING SPECIFICATIONS			
Series	UNITSP PER CARTON	CARTON WEIGHT	
SP-M250	20.0	12.34 Kgs	27.21 Lbs

SHIPPING CARTON DIMENSIONS		WIDTH	LENGTH	HEIGHT
Series	Inch	14.00	15.00	10.00
SP-M250	MM	355.6	381.0	254.0



SPECIFICATION



NOTES:

1. This family is from 9V to 48V in 1VDC increments; please consult Autec Sales for the right model for your application.
2. Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf & 47uf parallel capacitor.
3. Tolerance: includes set up tolerance, line regulation and load regulation.
4. Line regulation is measured from low line to high line at rated load.
5. Load regulation is measured from 0% to 100% rated load.

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