

FEATURES

- Medical Application
- Low Cost, High Reliability
- Compact Size, Light Weight
- 100% Full Load Burn-In Test
- Universal AC Input / Full Range
- UL2601-1, EN60601-1 Approved
- Built-In EMI Filter, Low Ripple Noise
- High Efficiency, Low Working Temperature
- Protections: Short Circuit /Overload /Over Voltage





SPECIFICATIONS: PSMPS45 Series						
	d on 25°C, Nominal Input Voltage, and Maximum Output Current unless otherwise noted.					
We reserve the right to change specifications based on technological advances.						
INPUT SPECIFICATIONS	······································					
Input Voltage	90 – 264VAC (127 – 370VDC)					
Input Frequency	47 to 440Hz					
AC Current (typical)	1.2A @ 115VAC / 0.7A @ 230VAC					
Inrush Current	15A @ 115VAC; 30A@230VAC cold start					
Leakage Current	Less than 0.3mA @ 264VAC					
OUTPUT SPECIFICATIONS						
Output Voltage	See Table					
Voltage Tolerance	±2.0% typical					
Output Adjustment Range	±10% rated output load					
Output Power	52W with 18CFM min, forced air convection					
Line Regulation	±1%					
Load Regulation	±2% typ.					
Output Current	See Table					
Ripple & Noise (20MHz BW)	See Table					
Setup, Rise Time	800ms and 30ms @ 230VAC and full load / 1200ms and 30ms @ 115VAC and full load					
Hold-Up Time	50ms @ 230VAC and full load / 16ms @ 115VAC and full load.					
Temperature Coefficient	±0.04%/°C (0~50°C)					
PROTECTION						
Over Voltage Protection	CH.1: 115~135% rated output voltage					
Overload Protection	53~75W hiccup mode, auto-recovery					
GENERAL SPECIFICATIONS	The state of the s					
Switching Frequency (fixed)	45KHz					
Efficiency	76% typical					
Isolation Voltage (Input to Output)	4000VAC for 1 min.					
Isolation Voltage (Input to Field Ground)	1500VAC for 1 min.					
Isolation Resistance (Input to Output)	100MΩ / 500VDC					
ENVIRONMENTAL SPECIFICATIONS						
Operating Temperature	-10°C to +60°C (refer to derating curve)					
Storage Temperature	-20°C to +85°C					
Operating Humidity (non-condensing)	20% to 90% RH					
Vibration	10~500Hz, 2G 10min./1cycle, Period for 60 minutes each along X, Y, and Z axes.					
MTBF	366,100 hours min. (According to MIL-HDBK-217) at 25°C					
PHYSICAL SPECIFICATIONS	, , , , , , , , , , , , , , , , , , ,					
Weight	230g					
Dimensions	127(L) x 76(W) x 28(H) mm					
SAFETY & EMC						
Safety Standards	UL2601-1, TUV EN60601-1, IEC601-1 Approved					
EMC Standards	EN55011 class B, EN61000-4-2,3,4,5,6,8,11, EN61000-3-2,3, EN60601-1-2, ENV50204					



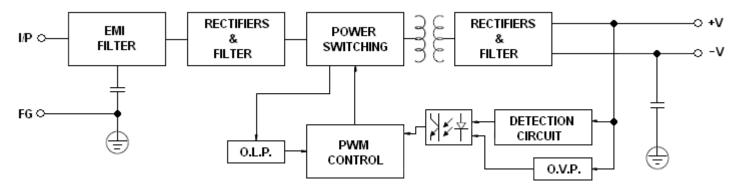
OUTPUT VOLTAGE / CURRENT RATING CHART

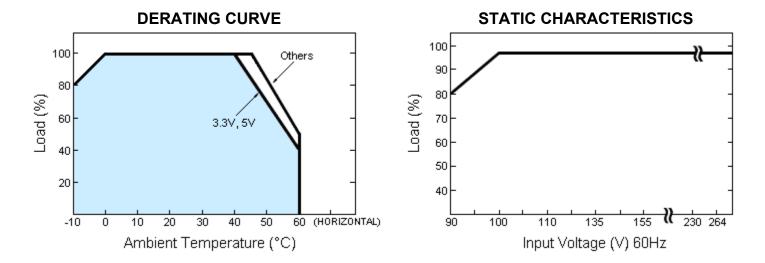
Model	Input Voltage	Output Voltage	Output Current Range	Output Current	Ripple & Noise	Output Power
PSMPS-45-3.3	90~264 VAC (127~370 VDC)	3.3 VDC	0 - 10.7A	8A	80mVp-p	26.4W
PSMPS-45-5		5 VDC	0 - 10.5A	8A	100mVp-p	40W
PSMPS-45-7.5		7.5 VDC	0 - 7A	5.4A	100mVp-p	40.5W
PSMPS-45-12		12 VDC	0 - 4.4A	3.7A	100mVp-p	44.4W
PSMPS-45-13.5		13.5 VDC	0 - 3.9A	3.3A	100mVp-p	44.6W
PSMPS-45-15		15 VDC	0 - 3.5A	3A	100mVp-p	45W
PSMPS-45-24		24 VDC	0 - 2.2A	1.9A	100mVp-p	45.6W
PSMPS-45-27		27 VDC	0 - 1.95A	1.7A	100mVp-p	45.9W
PSMPS-45-48		48 VDC	0 - 1.1A	1A	100mVp-p	48W

NOTES

- 1. All parameters are specified at 230VAC input, rated load, 25°C ambient.
- 2. Tolerances include set up tolerance, line regulation, load regulation.
- 3. Line regulation is measured from low line to high line at rated load.
- 4. Mounting holes M1 and M2 should be grounded for EMI purposes.
- 5. Ripple & noise are measured at 20MHz by using a 12" twisted pair terminated with a 0.1uF & 47uF capacitor.

BLOCK DIAGRAM



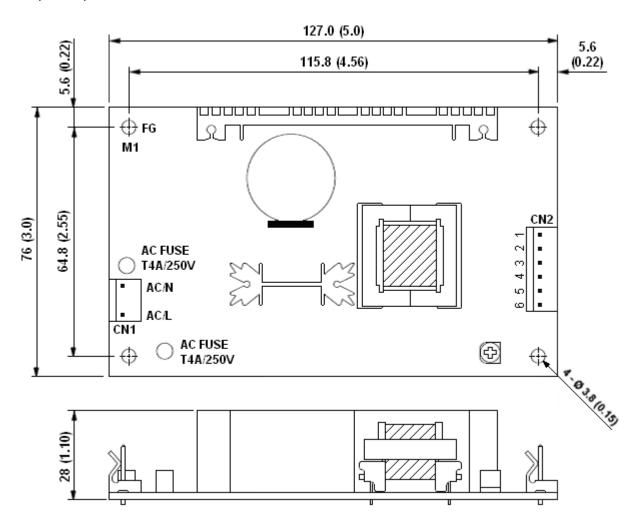


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MECHANICAL DRAWING

Unit: mm (inches)



AC Input Connector (CN1): Molex 5277-02 or equivalent

Pin. No	Assignment	Mating Housing	Terminal
1	AC/N	Molex 5195	Molex 5194
2	AC/L	or equivalent	or equivalent

DC Output Connector (CN2): Molex 5273-06 or equivalent

Pin No.	Assignment	Mating Housing	Terminal	
1,2,3	+V	Molex 5195	Molex 5194	
4,5,6	-V	or equivalent	or equivalent	