



# 90W Medical Series Desktop Power Supply

## Features:

- \* Universal AC Input 100 - 240Vac
- \* Output Voltage: 12-48Vdc
- \* Regulated Output With Low Ripple Noise
- \* Safety Agency Requirements and EMI/EMS Certified
- \* Short Circuit, Over Voltage, Over Current & Over Temperature Protections
- \* 2 x MOPP (Means of Patient Protection)
- \* Touch Current: < 100µA



Input	
Voltage (Vac)	100-240
Maximum Current (Amp)	0.5-1.2
Line Frequency (Hz)	50-60
Configuration	IEC60320/C6(PSD Series), C8 (PS2D Series), C14 (PS Series)

Output	
Load Regulation	+5% (Typical)
Ripple	1 - 2% Vp-p Max. for output voltage @ Full Load
Transient Response	0.5mS for 50% Load Change Typical
Holding Time	10mS @ Full Load
Protection	Short Circuit Protection; Over Voltage Protection; Over Current Protection; Over Temperature Protection
DC Cord	18AWG / 16AWG
Ferrite Core	Yes

Electrical	
Topology	Switching Flyback
Dielectric Withstand	4000 VAC Primary - Secondary
Touch Current	< 100µA
Efficiency	Energy Star Level V , ErP Stage 2 Certified
EMI Conduction & Radiation	Compliance to EN55011 Class B
Harmonic Current	Compliance to EN61000-3-2,3
EMS Immunity	Compliance to IEC60601-1-2
MTBF	300,000 Calculated Hours at 25 degree celsius by Telcordia SR-332

Enviromental	
Operating Temperature	0 to +40 degree celsius
Storage Temperature	-20 to +80 degree celsius
Operating Relative Humidity	20 to 80% RH
Storage Relative Humidity	10 to 90% RH

Safety	
Certified with CB / UL / cUL / FCC / CE / T-mark(TUV) / PSE	

PART NUMBER	OUTPUT VOLTAGE (Vdc)	OUTPUT CURRENT (Amp)	WATTAGE (W)
PSM-1275A	12.0	7.5	90
PSM-1560A	15.0	6.0	90
PSM-1947A	19.0	4.7	90
PSM-2437A	24.0	3.7	90
PSM-3625A	36.0	2.5	90
PSM-4818A	48.0	1.80	90