



PROTEK POWER

A Brand of FSP



450-500 W Medical & ITE Power Supplies

Features

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

450-500 W Medical & ITE Power Supplies



Description

The PM500 series of AC-DC switching power supplies in a package of 4 x 7 x 1.7 inches are capable of delivering 450-500 watts of continuous power at 30 CFM forced air cooling or 350-400 watts at convection cooling. The units are constructed on a printed circuit board with a U-bracket for mechanical support and heat sinking. A cover and fan assembly can be added during manufacturing. They are designed for medical applications including those needing BF rated insulation and/or an operation altitude up to 5000 meters.

Application

- Blood Warmer
- X-ray machine
- Kidney washing machine
- Optical diagnostics system
- Operation lamp

Output Voltage/ Current Rating Chart

Model No.	Output							Average Active Efficiency (typical) @ 115 / 230 Vac
	V1	Min. load	Max. Current at convection	Max. Current at 7.5 CFM	Tol.	Ripple & Noise	Max. Power	
PM500-12B	12 V	0 A	29.17 A	37.50 A	±2%	120 mV	350 W /450 W	88 /90%
PM500-13B	15 V	0 A	23.34 A	30.00 A	±2%	150 mV	350 W /450 W	88 /90%
PM500-13-1B	18 V	0 A	22.23 A	27.78 A	±2%	180 mV	400 W /500 W	88 /90%
PM500-14B	24 V	0 A	16.67 A	20.84 A	±2%	240 mV	400 W /500 W	89 /91%
PM500-15B	28 V	0 A	14.29 A	17.86 A	±2%	280 mV	400 W /500 W	89 /91%
PM500-17B	36 V	0 A	11.12 A	13.89 A	±2%	360 mV	400 W /500 W	89 /91%
PM500-18B	48 V	0 A	8.34 A	10.42 A	±2%	480 mV	400 W /500 W	89 /91%
PM500-19B	57 V	0 A	7.02 A	8.78 A	±2%	570 mV	400 W /500 W	89 /91%

Safety: C  [®] US
E178020



PM500



Product Sheet

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