



### FEATURES

- ✓ 60W air cooling/50W convection-cooled @ 50°C ambient.
- ✓ Wide operating temperature -20~80°C.
- ✓ Compact size 2" x 3" with low profile 1".
- ✓ High efficiency up to 87%.
- ✓ No-load power consumption < 0.3W.
- ✓ Designed to meet medical standard IEC, EN, UL 60601-1, type BF rated patient contact leakage current.
- ✓ Meets EMI CISPR 11 / FCC Part 18.

### Models & Ratings

Model Number	Wattage (Rated / Max)	Output Voltage	Min. Current	Rated Current	Max. Current	Typical Efficiency
MPM-S053	50 W / 60 W	+12 V	0 A	4.16 A	5.0 A	87%
MPM-S055	50 W / 60 W	+24 V	0 A	2.08 A	2.5 A	88%
MPM-S056	50 W / 60 W	+48 V	0 A	1.04 A	1.25 A	88%
Dimensions	76.2 (L) x 50.8 (W) x 26.1 (H) mm, Tolerance +/- 0.5mm.					

Total Output Power: Rated 50W convection cooled, above 51~60W with 13.6 CFM forced air-cooling at 50°C environment temperature. Please see detail performance curves as below.

Model no. coding : **M P M – S 0 5 X**

①

①

X =	Output (V)
3	+12
5	+24
6	+48

#### Input

- Input Voltage** ● 85 ~ 264VAC
- Input Frequency** ● 47 ~ 63 Hz
- Input Current** ● 1.5/0.8A
- Inrush Current** ● 30/60A
- No-load power consumption** ● 0.3W
- Input Protection** ● Fuse: 2A /250VAC \* 2pc

#### Output

- Output Voltage** ● 12V, 24V, 48V
- Minimum Load** ● 0A
- Hold up Time** ● 12/60 mS
- Line Regulation** ● ±0.5%
- Load Regulation** ● ±1.0%
- Ripple & Noise** ● 100<sup>(+12V)</sup>, 100<sup>(+24V)</sup>, 120<sup>(+48V)</sup>
- Leakage Current** ● 100/300 uA
- Overvoltage Protection** ● The build-in over voltage protection circuit will shut down the outputs to prevent damaging external circuits.
- Short Circuit Protection** ● Automatic recovery upon of overload condition

### EMC: Immunity

ESD	● IEC 61000-4-2
Radiated	● IEC 61000-4-3
EFT	● IEC 61000-4-4
Surges	● IEC 61000-4-5
Conducted	● IEC 61000-4-6
Power Magnetic	● IEC 61000-4-8
Dips and Interruptions	● IEC 61000-4-11

### Environmental

Operating Temperature	● -20 ~ +80°C
Storage Temperature	● -40 ~ +85°C
Relative Humidity	● 5 ~ 95%RH
Cooling	● 13.6 CFM
Operating	● 3000m

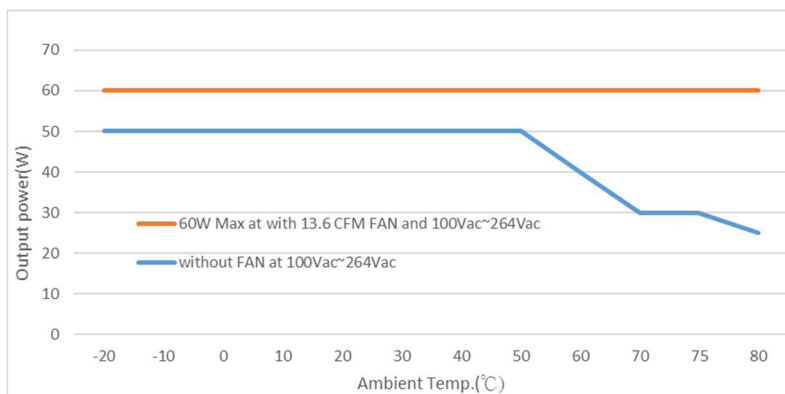
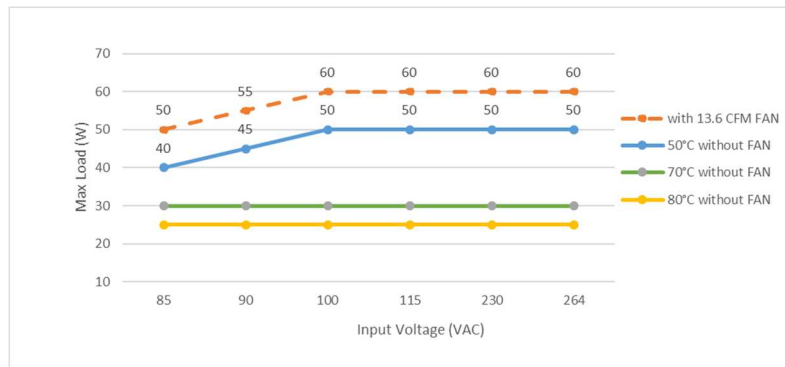
### EMC: Emissions

Conducted	● EN 55011 / CISPR 11 & FCC Part 18
Radiated	● EN 55011 / CISPR 11 & FCC Part 18
Harmonic Current	● EN 61000-3-2
Voltage Fluctuations	● EN 61000-3-3

### Safety Approvals

TUV	● EN 60601-1: 2006+A11+A1+A12
CB	● IEC 60601-1: 2005+CORR. 1: 2006+CORR. 2: 2007+A1: 2012
UL/cUL	● ANSI/AAMI ES60601-1, CAN/CSA-C22. 2 No. 60601-1

### Derating curve



## Mechanical Details

SIZE : 76.2 (L) x 50.8 (W) x 26.1 (H) mm, Tolerance +/- 0.5mm.

