



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)

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^(+12V), 100^(+24V), 120^(+48V)
- 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

General

- Isolation IP to OP 4000 VAC

EMC: Immunity

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

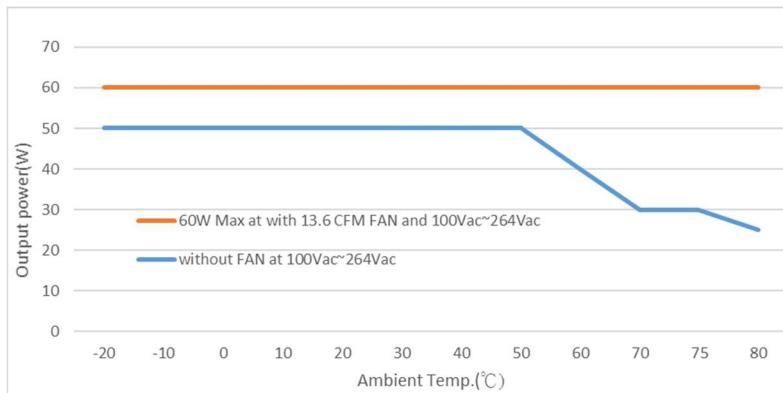
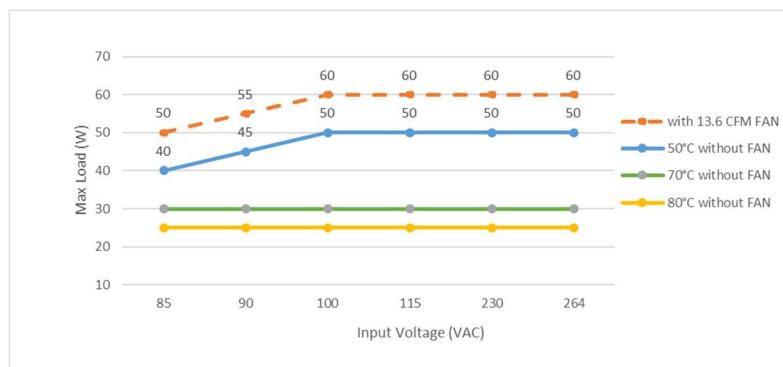
EMC: Emissions

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

