

FEATURES

- ✓ 65W with Forced-air cooling @ 80°C ambient.
- ✓ Wide operating temperature -20~80°C.
- ✓ Compact size 2" x 3" with low profile 1".
- ✓ No-load power consumption < 0.2W.
- ✓ Low inrush current.
- ✓ Class II & Class I with functional ground connected.
- ✓ Safety Approvals ITE standard IEC, EN, UL 62368-1, 2nd Edition.



Models & Ratings

Model Number	Wattage (Rated / Max)	Output Voltage	Min. Current	Rated Current	Max. Current	Typical Efficiency
MPE-J062	30 W / 35 W	+5 V	0 A	6 A	7 A	80 / 81%
MPE-J063	50 W / 65 W	+12 V	0 A	4.16 A	5.42 A	86 / 88%
MPE-J065	50 W / 65 W	+24 V	0 A	2.08 A	2.71 A	88 / 90%
MPE-J066	50 W / 65 W	+48 V	0 A	1.04 A	1.35 A	88 / 90%
Dimensions	76.2(L) x 50.8(W) x 25.0(H)mm, Tolerance +/-0.5mm.					

Total Output Power: Max. 50W with convection cooled at 50°C environment temperature, Max. 65W with 7 CFM.

Note:1. MPE-J062 Total Output Power: Max. 30W with convection cooled at 50°C environment temperature, Max. 35W with 7 CFM.

Model no. coding : MPE - J060 - Y

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Y=	Input / Output Connector Type
blank	Molex Type Connector or equivalent (Standard Product)
J	JST Type Connector or equivalent

Input

- Input Voltage** ● 85 ~ 264VAC
- Input Frequency** ● 47 ~ 63 Hz
- Input Current** ● 1.5 / 0.8
- Inrush Current** ● 40A
- No-load power consumption** ● <0.2W
- Input Protection** ● Fuse: 2A /250VAC * 1pc

General

- Isolation** ● IP to OP 3000 VAC
- Switching Frequency** ● 65 KHZ

Output

- Output Voltage** ● 5V ,12V, 24V, 48V
- Minimum Load** ● 0A
- Hold up Time** ● 14 / 80 mS(5V), 9 / 50 mS(12V, 24V, 48V)
- Line Regulation** ● ±0.5
- Load Regulation** ● ±1.0
- Ripple & Noise** ● 50^(+5V), 120^(+12V), 120^(+24V), 240^(+48V)
- Overvoltage Protection** ● The build-in over voltage protection circuit will auto recovery the outputs to prevent damaging external circuits, the trigger point is around 110%~160% of output voltage.
- Short Circuit Protection** ● Fully protected against output short circuit. Automatic recovery.
- Overload Protection** ● Automatic recovery.

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

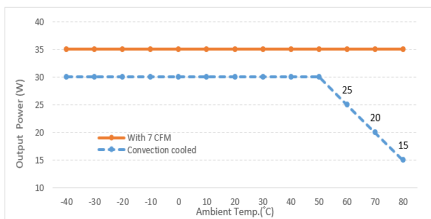
Operating Temperature	● -20 ~ +80°C
Storage Temperature	● -40 ~ +85°C
Relative Humidity	● 5 ~ 95%RH
Cooling	● 7 CFM
Operating Altitude	● 4000

Conducted	● EN 55032 / CISPR 32 & FCC Part 15
Radiated	● EN 55032 / CISPR 32 & FCC Part 15
Harmonic Current	● EN 61000-3-2
Voltage Fluctuations	● EN 61000-3-3

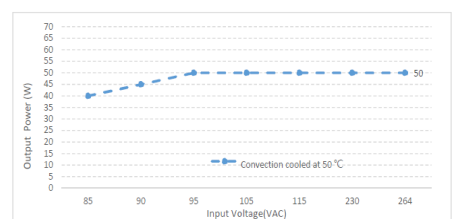
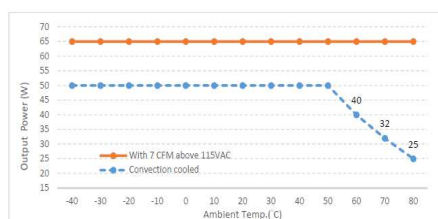
CB	● IEC 62368-1, 2 nd Edition
UL/cUL	● UL 62368-1, 2 nd Edition, CSA C22.2 No. 62368-1-14, 2nd Edition

Derating Curve

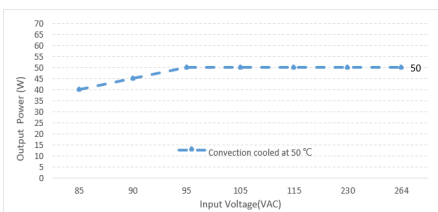
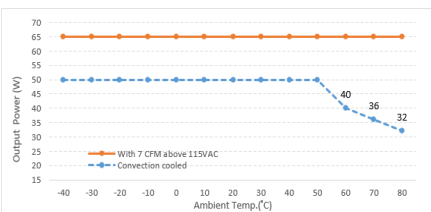
MPE-J062



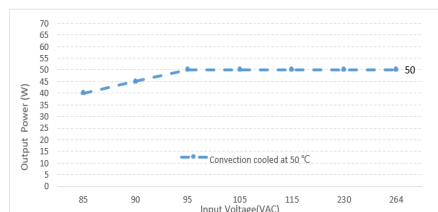
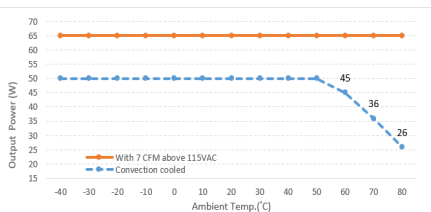
MPE-J063



MPE-J065



MPE-J066



Mechanical

M/N: MPE-J060

SIZE : 76.2(L) x 50.8(W) x 25.0(H)mm, Tolerance +/-0.5mm.

