



FEATURES

- ✓ 25W convection-cooled @ 50°C ambient.
- ✓ Wide operating temperature -30~80°C.
- ✓ Compact size 2" x 2.5" with low profile 24.6mm.
- ✓ No-load power consumption < 0.3W.
- ✓ Class II & class I with functional ground connected.
- ✓ Safety Approval ITE standard IEC, EN, 62368-1, 2nd Edition LVD approved.
- ✓ Meets EMI CISPR 22 / FCC Part 15 class B

Models & Ratings

Model Number	Wattage (Rated / Max)	Output Voltage	Min. Current	Rated Current	Typical Efficiency
MPE-J022	20 W	+5 V	0 A	4 A	78%
MPE-J023	25 W	+12 V	0 A	2.08 A	85 / 86%
MPE-J025	25 W	+24 V	0 A	1.04 A	85 / 86%
MPE-J026	25 W	+48 V	0 A	0.52 A	86%
Dimensions	63.5 (L) x 50.8 (W) x 24.6 (H) mm, Tolerance +/- 0.5mm.				



Total Output Power: Max. 25W with convection cooled at 50°C environment temperature.

Note:1. MPE-J022 Total Output Power: Max. 20W with convection cooled at 50°C environment temperature.

Model no. coding : MPE-J020-Y

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Y=	Input / Output Connector Type	
blank	Standard JST Type Connector or equivalent	
T	PCB Mount Type (Soldered Pins)	

Input

- Input Voltage** ● 85 ~ 264VAC
- Input Frequency** ● 47 ~ 63 Hz
- Input Current** ● 0.6 / 0.35
- Inrush Current** ● 30 / 60A
- No-load power consumption** ● <0.3W
- Input Protection** ● Fuse: 2A /250VAC * 1pc

General

- Isolation** ● IP to OP 3000 VAC
IP to GND 1800VAC
- Switching Frequency** ● 65 KHZ

Output

- Output Voltage** ● 5V ,12V, 24V, 48V
- Minimum Load** ● 0A
- Hold up Time** ● 16 / 75
- Line Regulation** ● ±0.5
- Load Regulation** ● ±0.5
- Ripple & Noise** ● 50^(+5V), 60^(+12V), 120^(+24V), 120^(+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%~140% 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

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

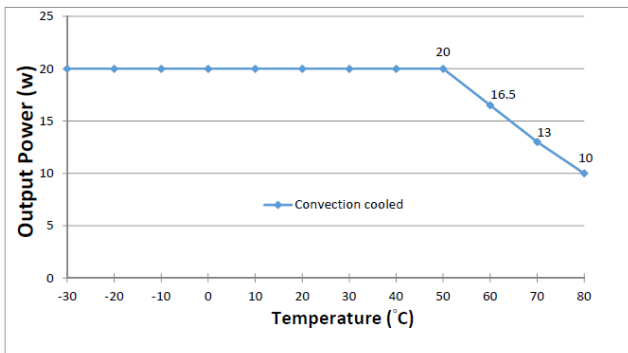
Environmental

Operating Temperature	● -30 ~ +80°C
Storage Temperature	● -40 ~ +85°C
Relative Humidity	● 5 ~ 95%RH
Operating Altitude	● 5000

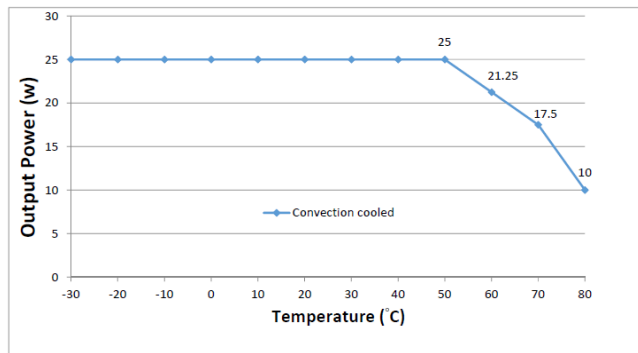
CB	● IEC 62368-1:2014 (Second Edition)
CE	● EN 62368-1:2014 + A11: 2017
UL/cUL	● UL 62368-1, 2nd Edition, CSA C22.2 No. 62368-1-14, 2nd Edition

Derating Curve

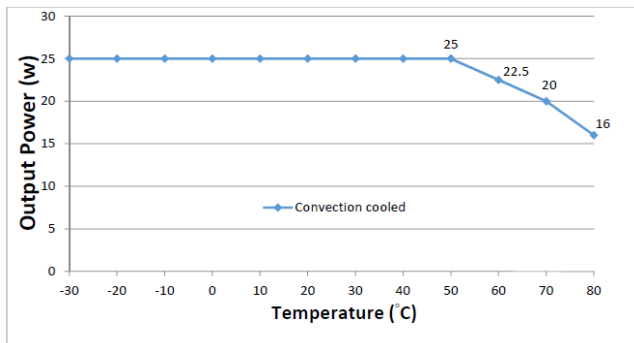
MPE-J022



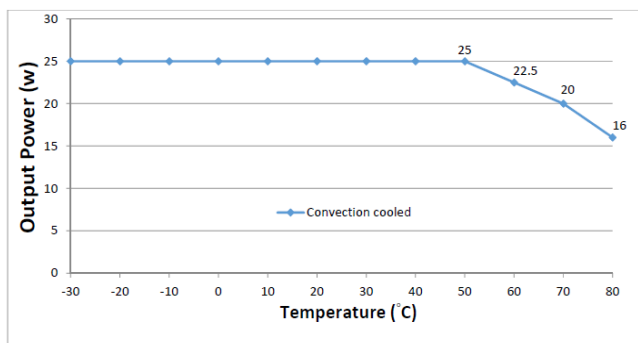
MPE-J023



MPE-J025



MPE-J026



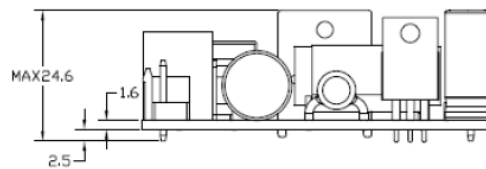
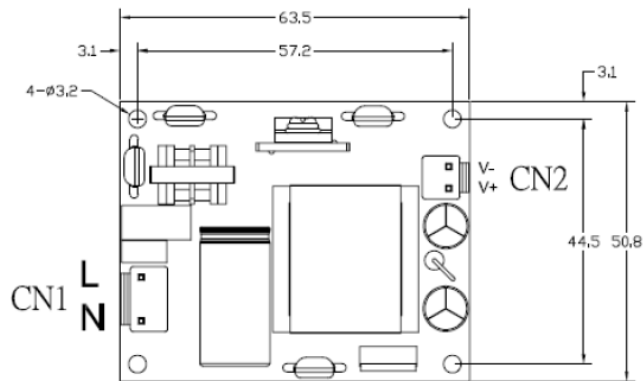
MPE-J020

AC / DC

Mechanical

M/N: MPE-J020

SIZE : 63.5 (L) x 50.8 (W) x 24.6 (H) mm, Tolerance +/- 0.5mm



PCB Mount Type

SIZE : 63.5(L) x 50.8(W) x 26.4(H)mm, Tolerance +/-0.5mm

