

# MJ CLASSICAL RAINPROOF

## 5V/12V/24V 60W-1000W



\*Outdoor LED Lighting, Building LED lighting  
LED Signage and Displays,  
Street and Pathway Lighting,

## FEATURE

- ◎ 100% full load, 100% aging test
- ◎ Quality aluminum shell with oxidation gold finish
- ◎ Good quantity can customize shell color and LOGO
- ◎ Intelligent chip control, over voltage, over current, short
- ◎ All 100% new component, long life and high reliability
- ◎ High speed and quality Fan cooling, with good dissipation and reliable

## PRODUCT PARAMETERS

CE FC CQC SAA RoHS

| Model      | Size/mm    | Pcs/Ctn | Vin        | Frequency | Vout  | Iout  | Pout | Shell     | Weight | Cooling         |
|------------|------------|---------|------------|-----------|-------|-------|------|-----------|--------|-----------------|
| MJ-60-12   | 130*76*46  | 90      | AC200-240V | 47-63Hz   | DC12V | 5.0A  | 60W  | Alluminum | 289.2g | Natural Cooling |
| MJ-100-12  | 146*76*46  | 70      | AC200-240V | 47-63Hz   | DC12V | 8.3A  | 100W | Alluminum | 327.2g | Natural Cooling |
| MJ-150-12  | 146*76*46  | 60      | AC200-240V | 47-63Hz   | DC12V | 12.5A | 150W | Alluminum | 385.0g | Natural Cooling |
| MJ-200-12  | 195*76*46  | 60      | AC200-240V | 47-63Hz   | DC12V | 16.5A | 200W | Alluminum | 414.2g | Fan Cooling     |
| MJ-300-12  | 178*99*55  | 40      | AC200-240V | 47-63Hz   | DC12V | 25.0A | 300W | Alluminum | 581.0g | Fan Cooling     |
| MJ-400-12F | 182*120*56 | 40      | AC200-240V | 47-63Hz   | DC12V | 33.0A | 400W | Alluminum | 450.0g | Fan Cooling     |
| MJ-400-12C | 182*120*56 | 40      | AC200-240V | 47-63Hz   | DC12V | 33.0A | 400W | Alluminum | 595.0g | Fan Cooling     |
| MJ-400-12A | 205*120*56 | 30      | AC200-240V | 47-63Hz   | DC12V | 33.0A | 400W | Alluminum | 705.8g | Fan Cooling     |
| MJ-500-12  | 227*120*56 | 30      | AC200-240V | 47-63Hz   | DC12V | 41.7A | 500W | Alluminum | 865.0g | Fan Cooling     |
| MJ-600-12  | 227*120*56 | 30      | AC200-240V | 47-63Hz   | DC12V | 50.0A | 600W | Alluminum | 865.0g | Fan Cooling     |
| MJ-700-12  | 237*120*56 | 30      | AC200-240V | 47-63Hz   | DC12V | 58.3A | 700W | Alluminum | 925.0g | Fan Cooling     |

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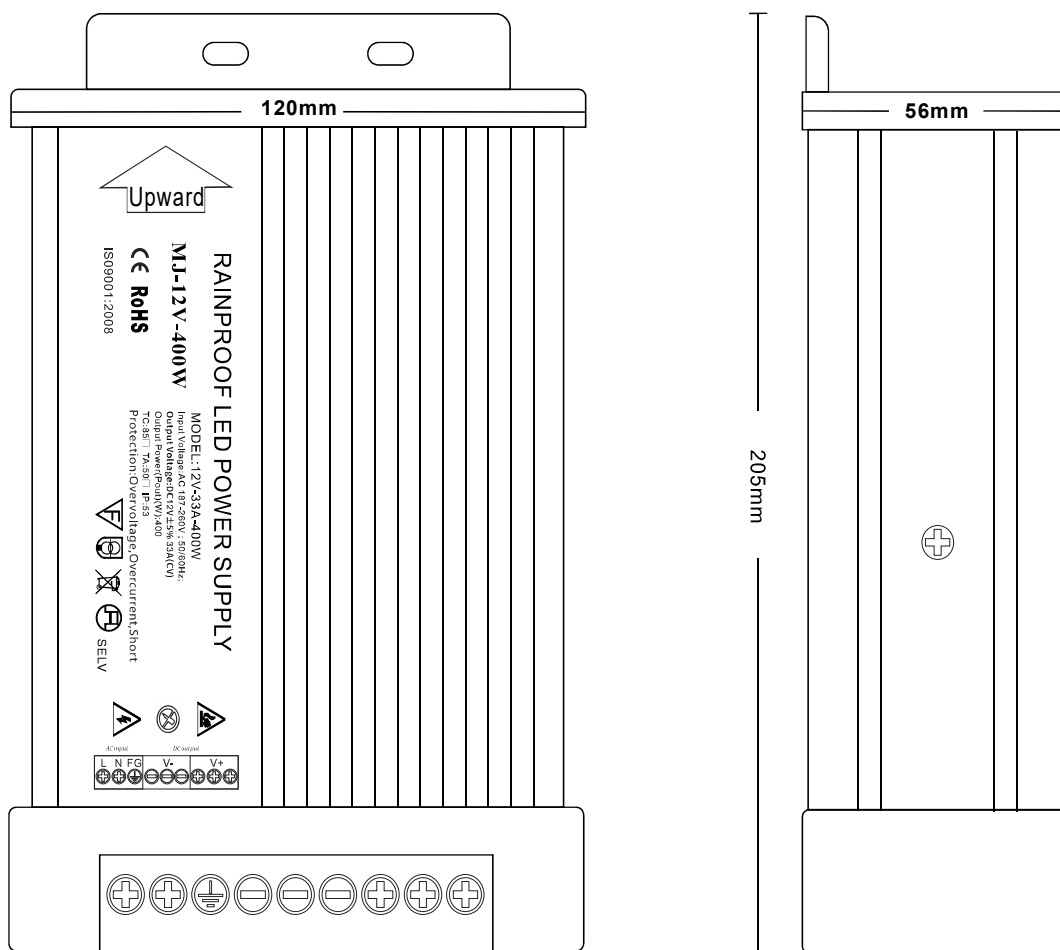
MJ-400W 12V



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| Model      |                                        | MJ-400W 12V                                                                                                                                                                                                       | MJ-400W 24V                                               |
|------------|----------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------|
| OUTPUT     | DC voltage                             | 12V                                                                                                                                                                                                               | 24V                                                       |
|            | Rated current                          | 33.3A                                                                                                                                                                                                             | 16.7A                                                     |
|            | Cuttent range                          | 0-33.3A                                                                                                                                                                                                           | 0-16.7A                                                   |
|            | Rated output power                     | 400W                                                                                                                                                                                                              | 400W                                                      |
|            | Ripples and noise                      | ≤200mVp-p                                                                                                                                                                                                         | ≤300mVp-p                                                 |
|            | Output current range                   | 11.5-12.5V                                                                                                                                                                                                        | 23-25V                                                    |
|            | Precision of output voltage regulation | ±0.5%                                                                                                                                                                                                             | ±0.5%                                                     |
|            | Rate of lenear adjustment              | ±0.5%                                                                                                                                                                                                             | ±0.5%                                                     |
|            | Load adjustment rate                   | ±0.5%                                                                                                                                                                                                             | ±0.5%                                                     |
|            | The startup time                       | ≤2s/230VAC                                                                                                                                                                                                        |                                                           |
| INPUT      | Keep time                              | 10ms/230VAC                                                                                                                                                                                                       |                                                           |
|            | Voltage range                          | 176-264VAC                                                                                                                                                                                                        |                                                           |
|            | Frequency range                        | 50Hz                                                                                                                                                                                                              |                                                           |
|            | Power factor                           | PF≥0.6/230VAC                                                                                                                                                                                                     |                                                           |
|            | Efficiency                             | ≥89%                                                                                                                                                                                                              | ≥91%                                                      |
|            | Alternating current                    | 3.4A/230VAC                                                                                                                                                                                                       |                                                           |
|            | Surge current                          | 50A/230VAC                                                                                                                                                                                                        |                                                           |
|            | Leakage current                        | <5mA/230VAC                                                                                                                                                                                                       |                                                           |
| PROTECTION | Overload                               | 110%-140%: rated 110%-140% of the total power input<br>protection mode:Auto recovery mode,the system automatically recovers when abnormal load conditions are removed                                             |                                                           |
|            | Short circuit                          | protection mode:Auto recovery mode,the system automatically recovers when abnormal load conditions are removed                                                                                                    |                                                           |
|            | Over voltage                           | protection mode:self-recovery mode,automatic recovery when the overvoltage is removed                                                                                                                             |                                                           |
|            | Over temperature                       | protection mode:self-recovery mode,automatically recover when the temperature drops                                                                                                                               |                                                           |
| ENVIRONMEN |                                        | working temperature                                                                                                                                                                                               | -35~+50°C                                                 |
|            |                                        | working humidity                                                                                                                                                                                                  | 20-90% RH                                                 |
|            |                                        | storage temperature;humidity                                                                                                                                                                                      | -30~+85°C; 10~95% RH                                      |
|            |                                        | temperature coefficient                                                                                                                                                                                           | ±0.1%/°C(0-35°C)                                          |
|            |                                        | resistance to vibration                                                                                                                                                                                           | 10-500Hz, 3G 10min. / 1 cycle, 60 min. each axes          |
| SAFETY&EMC |                                        | safety norms                                                                                                                                                                                                      | EN60950 , GB4943.1 -2011                                  |
|            |                                        | withstand voltage                                                                                                                                                                                                 | I/P-O/P:1.5KVAC I/P-FG:1.5KVAC O/P-FG:0.5KVAC             |
|            |                                        | insulation impedance                                                                                                                                                                                              | I/P-O/P, I/P-FG, O/P-FG:100M Ohms / 500VDC / 25°C/ 70% RH |
|            |                                        | EMC                                                                                                                                                                                                               | --                                                        |
| other      |                                        | protection grade                                                                                                                                                                                                  | IP62                                                      |
|            |                                        | MTBF                                                                                                                                                                                                              | ≥30khour 25°C                                             |
|            |                                        | power supply size                                                                                                                                                                                                 | L205*W120*H56mm                                           |
|            |                                        | power supply weight                                                                                                                                                                                               | 510g                                                      |
| NOTE       |                                        | 1.Unless otherwise specified , all specification are measured at an input of 230VAC,rarted negative cut,and ambient temperature of 25°C                                                                           |                                                           |
|            |                                        | 2.Ripple and noise measurement method:the measured end is connected in parallel with a 0.1uF+10uF capacitor,the oscilloscope is set to 20MHZ bandwidth,and the probe is tested with cap off and full load at 25°C |                                                           |
|            |                                        | 3.Accuracy :includes setting error , linear adjustment rate and load adjustment rate .                                                                                                                            |                                                           |
|            |                                        | 4. The output power is reduced when the input voltage is less than 200VAC.                                                                                                                                        |                                                           |



## CAUTION

- ※The product **MUST** be installed vertically and the wiring terminals downwards.
- ※For the heat dissipation, distance of 10cm from 4 sides (up/down/right/left) and 5cm from the ventilation hole side should be kept

### Packaging Information

|             |                    |
|-------------|--------------------|
| DIMENSION   | 205*120*56(LxWxH)  |
| PACKING     | 216*123*59(LxWxH)  |
| PCS/CTN     | 30pcs              |
| CARTON SIZE | 510*320*400(LxWxH) |
| WEIGHT      | 510g±10g/PCS       |

Temperature load curve

