

# JT COST EFFECTIVE RAINPROOF

## 12V 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

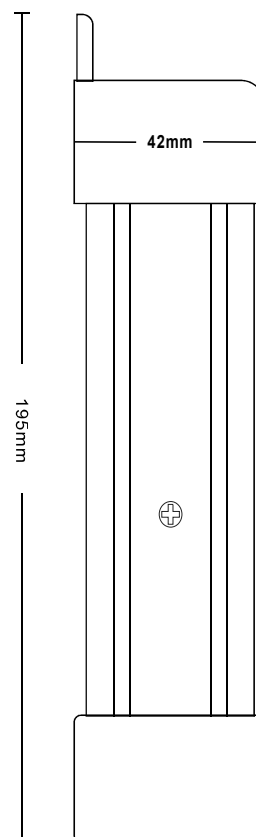
CE FC CQC SAA RoHS

| Model      | Pout | Vin         | Vout | Iout  | Effi | IP   | Size(mm)   | Pcs/Ctn |
|------------|------|-------------|------|-------|------|------|------------|---------|
| JT-60-12   | 60W  | 200-240V AC | 12V  | 5A    | 93%  | IP43 | 130*74*42  | 100     |
| JT-100-12  | 100W | 200-240V AC | 12V  | 8.3A  | 93%  | Ip43 | 148*74*42  | 100     |
| JT-150-12  | 150W | 200-240V AC | 12V  | 12.5A | 93%  | IP43 | 148*74*42  | 100     |
| JT-200-12  | 200W | 200-240V AC | 12V  | 16.7A | 92%  | IP43 | 195*74*42  | 80      |
| JT-300-12  | 300W | 200-240V AC | 12V  | 25.0A | 92%  | IP43 | 182*93*50  | 50      |
| JT-400-12F | 400W | 200-240V AC | 12V  | 33.3A | 80%  | IP43 | 182*118*50 | 48      |
| JT-400-12E | 400W | 200-240V AC | 12V  | 33.3A | 80%  | IP43 | 182*118*50 | 48      |
| JT-400-12C | 400W | 200-240V AC | 12V  | 33.3A | 92%  | IP43 | 182*118*50 | 48      |
| JT-500-12  | 500W | 200-240V AC | 12V  | 41.7A | 90%  | IP43 | 205*118*50 | 30      |
| JT-600-12  | 600W | 200-240V AC | 12V  | 50.0A | 90%  | IP43 | 220*118*50 | 30      |
| JT-700-12  | 700W | 200-240V AC | 12V  | 58.3A | 90%  | Ip43 | 220*118*50 | 30      |

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| Model      |                                        | JT-200W 12V                                                                                                                                                                                                       | JT-200W 24V                                                |
|------------|----------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------|
| OUTPUT     | DC voltage                             | 12V                                                                                                                                                                                                               | 24V                                                        |
|            | Rated current                          | 16.7A                                                                                                                                                                                                             | 8.3A                                                       |
|            | Cuttent range                          | 0-16.7A                                                                                                                                                                                                           | 0-8.3A                                                     |
|            | Rated output power                     | 200W                                                                                                                                                                                                              | 200W                                                       |
|            | 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                                                                                                                                                               |                                                            |
|            |                                        | 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                                                                                                                                                                                                 | L195*W74*H42mm                                             |
|            |                                        | power supply weight                                                                                                                                                                                               | 305g                                                       |
| 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   | 195*74*42(LxWxH)   |
| PACKING     | 201*77*45(LxWxH)   |
| PCS/CTN     | 80pcs              |
| CARTON SIZE | 510*320*400(LxWxH) |
| WEIGHT      | 305g±10g/PCS       |

## Temperature load curve

