

# Yangde Electric Group Co., Ltd.

## solar street light specification



### WORKING MODE

**Working Time** Dusk to dawn with energy saving mode. about 10 hours per day 6hours 100% power 4hours 50% power  
The working time decreases when less solar hours but returns to normal in sunny fays.

**Autonomy Days** three cloudy or rainy days backup, determined by the solar conditions of installation site

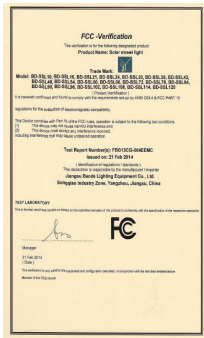
Specifications for 45w solar led lighting

| BREAKDOWN PRICE ON COMPONENTS                                                      | SPECIFICATION & DESCRIPTION                                                                                                                                   | QUANTIT<br>Y | UNIT PRICE<br>(\$) |
|------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|--------------------|
|    | <b>LED Lamp</b><br>45 Watts, Bridgelux LEDs<br>Individual LEDs, 130~140lm/LED,<br>5000-7000K color temperature IP67<br>Default color for light fixture: Black | 1            |                    |
|    | <b>Solar Panel</b><br>180 watts<br>Mono-crystalline solar panel<br>Conversion efficiency: 15~18%                                                              | 1            |                    |
|    | <b>Controller</b><br>12V/24V 10A waterproof solar charge controller                                                                                           | 1            |                    |
|                                                                                    | <b>LED Driver</b><br>LED driver combined with the controller                                                                                                  |              |                    |
|                                                                                    | <b>Cable</b><br>18m 2.5mm <sup>2</sup> cable designed for solar system                                                                                        | 1            |                    |
|    | <b>Battery</b><br>12V 80AH<br>GEL cell deep cycle battery                                                                                                     | 2            |                    |
|                                                                                    | <b>Battery box</b><br>Plastic battery box, buried underground                                                                                                 | 2            |                    |
|   | <b>Steel Pole</b><br>8m high, Dia. 80-170mm, Q235 galvanized steel, thickness 3.5mm, Galvanize powder coat                                                    | 1            |                    |
|  | <b>Lamp Arm</b><br>Diameter 60mm, 1500mm long                                                                                                                 | 1            |                    |
|                                                                                    | <b>Bracket</b><br>Dismountable bracket with welded sleeve, saving in shipping                                                                                 | 1            |                    |
|                                                                                    | <b>Foundation Kit</b><br>650mm 4-M14 foundation kit, matched fastening pieces                                                                                 | 1            |                    |
|                                                                                    | <b>Shipping Cost</b><br>Form our factory to the port, including taxes, custom&inspection fees in China                                                        | N/A          |                    |
|                                                                                    | <b>Packaging</b><br>For FCL shipping, we use carton box; for LCL shipping, we use wooden box for lamp and panel.                                              |              |                    |

TOTAL VALUE:



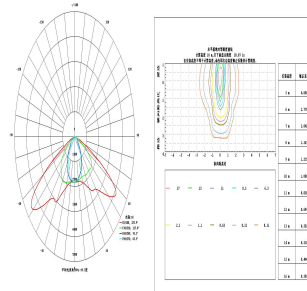
CE FOR SOLAR LIGHTING



FCC FOR SOLAR LIGHTING



ROHS FOR SOLAR LIGHTING



CURVE OF LIGHT DISTRIBUTION