



80W SOLAR LED STREET LIGHT - ALL-IN-ONE



Fortune CP Solar powered LED street lights are energy saving products using high power LEDs as the light source. LEDs save about 70% electricity than conventional lamps and can also run for up to 50,000 hrs. Solar powered street lights are a cost-effective way of providing lighting in a city, town and even rural areas. Conventional street lights cost a lot of money to run (electricity cost and maintenance). For solar powered ones, apart from the initial investment, there is no bill to pay and maintenance is minimal for the system lifetime.

SYSTEM OPERATION

Solar panels convert the sun's energy into electricity which is then stored in batteries to provide 8-12 hours of light at night (in full or dim light) plus 2-3 days' worth of backup energy in case of cloudy days. A controller automates the day/night switching on/off and also regulates the battery, preventing overcharging and protecting against discharging. LEDs can operate in temperatures -40 to +60 C

Fortune CP Ltd

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APPLICATIONS

Applications include Street lights, Floodlights, Security and safety lighting, Car Park lighting, Airport lighting.

80W SOLAR LED STREET LIGHT SPECIFICATIONS

Infrared sensor: Distance within 10 meters
 Microwave sensor: Distance within 15 meters
 Size: 139*49*45cm
 LED light: 80W (Philips) 96pcs
 Control mode: Light / time / PIR / time + PIR mode
 Installation height: 8-10m
 Mounting hole diameter: 60mm
 Installation distance: 25-30m

<u>Light Source:</u>	LED Light
Input Voltage(V):	12V
Lamp Luminous Flux(lm):	9600 - 11500
CRI (Ra>):	80
Working Temperature(°C):	-20 - 60
Working Lifetime (Hour):	50,000
IP Rating:	65
Certification:	CCC, CE, RoHS
Warranty (Year):	5
Beam Angle(°):	120x80
Application:	Road
Color:	Light Grey
Color Temperature(CCT):	2700-6500K
Lamp Body Material:	Aluminium Alloy
Lamp Luminous Efficiency(lm/w):	160
Sensor Distance	15m
Delay time	0.5m
<u>Power Supply:</u>	Solar Panel
Solar panel max power:	110W (High efficiency monocrystalline silicon)
Warranty:	10 Years materials, 25 years efficiency
Controller Type	MPPT
<u>Battery Type:</u>	Lithium LifePO ₄ 40AH
Sun Charge Time:	Full sunshine 5-7h
Discharge time	20-24 hours half power, 10-12 hours by full power
Warranty (Year):	5
Single package size:	139 X49 X45 cm
Single gross weight:	25.0 kg

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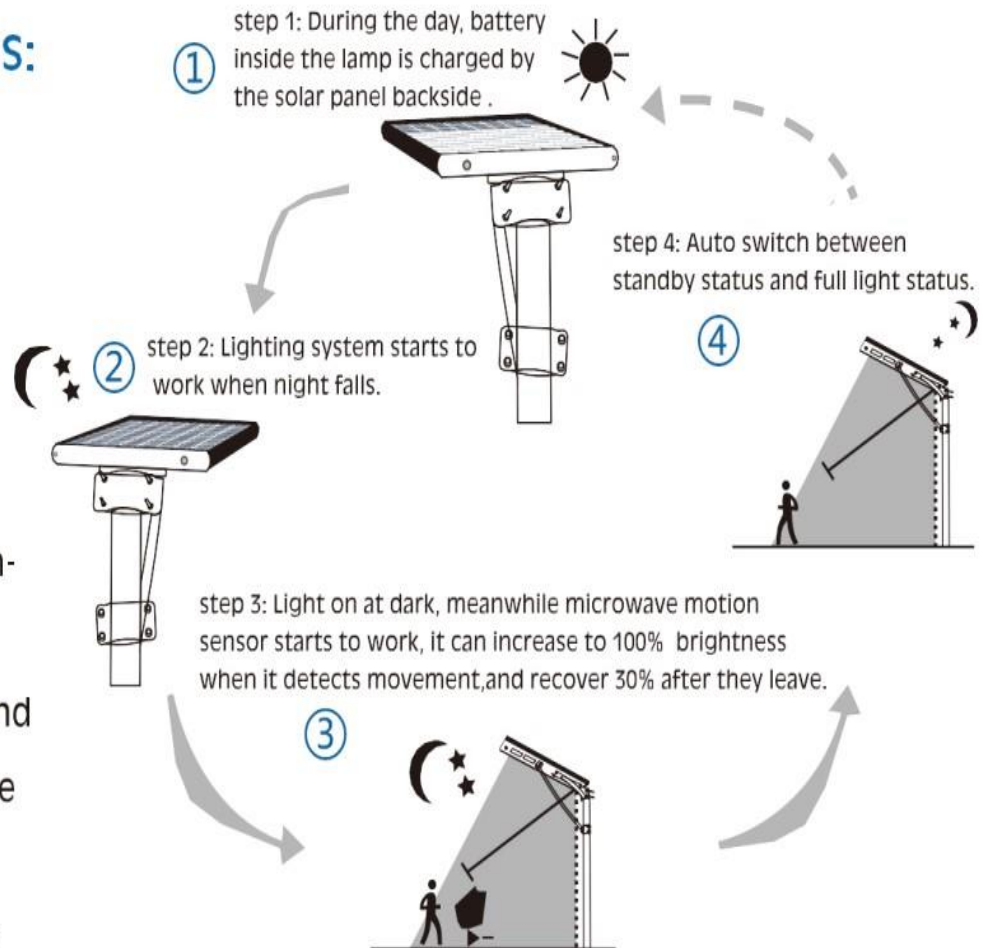
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How does our light work?

Working steps:

LED chips
 +
 Solar panels
 +
 Li-ion battery
 +
 Control system
 +
 Other parts

The whole lamp consists of the parts mentioned above and works as a eco-recycle lighting system consuming 0 electricity.



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