

Solar Led Street Light

LEDON Solar LED Street Light is a new, energy-saving product that utilizes high power White LEDs as a light source. The LED color spectrum, there is no ultraviolet light, no infrared rays, and no radiation produced. As a result, our LED Street Light is a conventional "green" lighting source. LEDON Solar street lighting uses the highest quality and efficient LED lamps available in the world today. The efficiency of the lamp is 23% compared to 5% for Fluorescent lamps and 1% for incandescent lamps.

Advantages:

Tremendous Energy Saving - Used the ultra high power, high brightness LED light source, together with the high power efficiency power supply, which can **save energy 50%-80%** than the conventional sodium and mercury lamps; subsequently reducing CO2 emission.

Green and Environmental Protection - no lead, no mercury, no environmental pollution;

Intelligent Current Control - Intelligent current control, whatever any deviant situation, it is able to achieve the precision constant current, ensure the LED can work under the secure current;

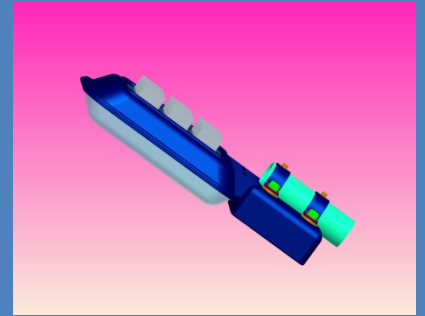
Start Without Delay - Reach the normal brightness and do not have to wait when switch on, eliminate a long process of starting of the traditional street lights;

Impact Resistance, Shock-proof, Without Ultraviolet (UV) and Infrared (IR) Radiation - No filament and glass frames, avoid break of the traditional lamp, without harm to the human body;

Long Life, Up To 50,000 Hours - (Working for 10 hours a day, can be used for more than 13 years), is 5-10 times working life than a traditional sodium or mercury lamp;

Features:

- Elegant and Robust design suitable for outdoor use
- Automatic Dusk to Dawn operation
- Provides autonomy of more than 3 days for non-sunny days
- Weather proof, UV stabilised Nylon housing
- Unbreakable polycarbonate dome for protection of LEDs
- Aluminum extruded heat sink is used for better heat dissipation
- Light Source 1 watt high power led (100 Lm/watt)
- 6watt, 9watt, 12watt, 18watt option for solar application
- Electronically Regulated PWM Solar Charge Controller offers optimal battery protection.



SLSL-06 - 6 watt System
SLSL-09 - 9 watt system
SLSL-12 - 12 watt system
SLSL-18 - 18 watt system

Technical Specifications:

Model No.	SLSL-06, SLSL-09, SLSL-12, SLSL-18
General	
Application	Solar powered outdoor lighting
Duty Cycle	Dusk to dawn
System Voltage	12 Volt DC
Number of Days of autonomy	3 – 4 days
SPV Module	
Module Type	Mono / Multi Crystalline Silicon
Module Power @ 16.4V	37 to 100 watt panel (As per the requirement)
Open Circuit Voltage	>= 21 volt
Battery	
Type	VRLA SMF Lead Acid, Flooded Lead Acid
Battery Voltage	12 volt
Battery Capacity	40ah, 60ah, 90ah to 100ah (As per the requirement)
Battery Box	Fire Resistant, Acid – Proof, Hi – Strength, UV – Proof Nylon body
LED Lamp	
Lamp Type	RoHS Compliant Solid State High Power LED
Rated Light output (Lumens)	100 Lumens at 350mA
Lamp Color Temperature	6500K Cool White
Rated Lamp average life	60,000 Hrs approx
Lamp Starting	Soft Start
Pre Heat Time (min to Max)	60 – 180 Seconds
LED Driver	
Type	Constant Current, Pulse Width Modulation (PWM) ,Buck Regulator
Operating Voltage	6 – 28 Volt
Efficiency	Above 90% @ full load
Switching Frequency	50 KHz to 1 MHz
Output	350mA Constant Current
Operating Temperature	0 to 60 degree C
Protection	Low Power Shut Down, Broken / Open LED Protection, Thermal Shut Down, Reverse Polarity
Charge Controller	
Charge Controller Type	Electronically regulated boost and float charge, PWM regulation
Normal Voltage	12 Volt
Charge Controller Efficiency	>92%
Self Power Consumption	4ma
Max Load Current	6A
Indication	Charging and Low battery
Protection	Overcharge, Deep Discharge, Over Load and Short Circuit at Load, Panel Surge Voltage, Wrong polarity at Panel or Battery
Connecting Wires	
Pole	As per requirement