

## SOLAR LED STREET LIGHT

### Product Description:

**SIRIUS Solar LED Street Light** with inbuilt charge controller and LED driver with microcontroller which enables uniform lighting, auto dusk to dawn, dimming and over & under voltage protections. It has a most energy – efficient high quality 1W power LEDs gives adequate light output suitable for factories, temples, villages, townships, farm houses, colleges, where the grid is not available like remote rural, hilly, forest areas etc.,. It has aesthetically designed aluminium fixture which acts as heat sink enabling faster heat dissipation and longer LED life. The luminary is designed for ingress protection confirms to IP65 rating.

### Key Features:

- Excellent for remote villages/institutions/ farm houses/Gardens/ Pathways
- Stand alone, one time installation and easy serviceability of the system
- Highly reliable and user friendly
- More than 50,000 Hours of life span, No flickering , No UV Radiation
- Less maintenance costs designed for years after years usage

### Specifications:

Application	Outdoor
Lamp	High Quality 1W Power LED Make : Nichia / Cree / Osram Colour Temperature : 5500°K - 7000°K
Operating Voltage	10.7V to 14.0V DC
Electronics	Charge controller & LED driver with microprocessor based intelligent circuitry to manage the power  Total Electronics Efficiency : >80%  LED PCB : Metal Clad PCB LED Driver : CC Based LED Driver
Optical	Lumen Efficacy : 110 - 130 Lumen / Watt Light Output : As per MNRE i.e Minimum 15 Lux when we measured at the periphery of 4 meter diameter from a height of 4 meter pole.  Safety Standard : EN60598
Colour Temperature	Near equivalent to day light
Daily Usage Emergency Usage	12 Hrs Automatic ON and Off Dusk to Dawn control 2 days autonomy for lighting during cloudy weather
Protections	Battery Low Cut off and Re-connection, Over Charge Cut off & Re- connection, Short Circuit, Reverse Polarity Dimming option based on environmental conditions

SIRIUS SOLAR ENERGY SYSTEMS Pvt.Ltd.

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**SIRIUS**  
Solar Energy Systems  
An ISO 9001:14001 COMPANY



Protections	Battery Low Cut off and Re-connection, Over Charge Cut off & Re-connection, Short Circuit, Reverse Polarity Dimming option based on environmental conditions
Indications	Battery Low - RED Led Charging - Green LED Battery Full - Green LED Blinking Over Charge - Green LED Off
IP Rating	IP65

Product	Street Light 6W, 12V	Street Light 9W, 12V	Street Light 12W, 12V	Street Light 18W, 12V	Street Light 24W, 12V
Total Output Power	6W	9W	12W	18W	24W
Solar Module	12V, 35Wp	40Wp	60Wp	74Wp	90Wp
Battery	12V, 30Ah	12V, 40Ah	12V, 60Ah	12V, 75Ah	12V, 100Ah

specifications are subject to change without prior notice due to constant improvement in design & technology

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