



# Solar Street Light

Solar Street Lights for commercial quality lighting systems, residential streets, parking lots and security lighting using high quality of solar systems.

The applications for solar powered outdoor lighting systems are endless. These units can be used for: Security and safety lighting, rural area lighting, Dock lights, Park lighting, Parking lot lighting, Parkway lighting, Walkway lighting, Street lighting, Transit Lighting, Outdoor area lighting, Military and civil security and so on. The costs of trenching and installing underground wiring often make a solar street lighting system an economically feasible lower cost option.

Solar streetlight controller is basically a inbuilt charge controller, which is used to control charging and duty cycle of solar streetlights. This product comes with most advanced techniques of battery charging and load control. The street light controller is available in different wattage and types (LED/CFL).

This system is designed for outdoor application in un-electrified remote rural areas. This system is an ideal application for campus and village street lighting. The system is provided with battery storage backup sufficient to operate the light for 10-11 hours daily. The system is provided with automatic ON/OFF time switch for dusk to dawn operation and overcharge / deep discharge prevention cut-off with LED indicators.

## Our LED Street Light Unique Features:



Acid/Rust proof polycarbonate box



Insect free light



Weather proof luminary



# Specification of Solar Street light System

General					As per MNRE
Model	RSSL8	RSSL13	RSSL17	RSSL36	RSSL11
Use	Outdoor				
Duty Cycle / Usage	Dusk to Dawn				
Number of days of autonomy	3 days				
System Voltage	12V DC				
System components					
Solar PV Module type	Mono / Poly Crystalline silicon				
Solar Module	12V 30Wp	12V 50 Wp	12V 60 Wp	12V 75 Wp	12V 74 Wp
Number of Modules	1 Number	1 Number	1 Number	2 Numbers	1 Number
Solar Module Mounting Frame	Provided	Provided	Provided	Provided	Provided
Battery					
Type	Flooded Lead Acid (Tubular)				
Battery Voltage	12V DC	12V DC	12V DC	12V DC	12V DC
Battery capacity @ C/10	40Ah	60Ah	80Ah	160Ah	75Ah
Lighting Luminary					
Lamp type	POWER LED				CFL
Average Illumination	> 8 Lux	> 12 Lux	> 16 Lux	> 29 Lux	850 ±5% lumens for 11W CFL
Charge controller	In build				
Indications	Low battery & Charging				
Protections	Overload protection, Deep discharge, Battery reverse polarity, Module reverse polarity & Overheating protection.				
Mechanical					
Pole Height from Ground level	4 Meter	4 Meter	5 Meter	6 Meter	4 Meter

Note: due to continuous R&D efforts, product appearance & specifications may be changed without notice

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## Manufacturing Unit

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