

USL Solar Light



Solar Street Lighting System

Model: USL11212

USL Street lighting system is an ideal lighting system for illumination of streets, squares and cross roads located in areas that are not connected to the power grid. The fully integrated system combines the latest and most innovative technologies available, providing years of convenient and trouble free lighting. Fully assembled and factory tested. USL has a wide range of Solar street lights, for different lighting requirements.

USL11212 is the stand alone Solar Street lighting system of USL, comprises of two CFL Lamp in one street light luminary (SSL). Each luminary using Compact Fluorescent Lamp (CF Lamp) of 22W as light source, Rechargeable lead acid battery for storage, PV modules for charging the battery, suitable electronics for the operation of the lamp and safe charging and discharging of the battery and mechanical hardware for fixing these sub systems.



Features:-

- Automatic dusk to dawn controller (DTDC) / Timer operation
- Highly efficient charge controller and inverter
- Two step charging algorithm
- Weather proof luminaries
- Adequate protections and indications
- UV stabilised bowl and canopy
- Anodised aluminum reflector

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Technical Specifications

STREET LIGHT (11 X 2 CFL)	
General	
Application	Solar powered lighting, Outdoor
Duty cycle	12 Hrs (DTDC)
System Voltage	12V DC
Number of days of autonomy	3 Days
SPV Module	
Module Type	Mono / Poly Crystalline Silicon
Module(s) power @ 16.4V (STC)	120Wp (60Wp x 2 Nos) or (40Wp x 3 Nos)
Battery	
Battery type	Flooded lead acid (Tubular)
Battery capacity @ C/20	150Ah (Flooded @ C/20)
Solar Charge controller (Built-in to Solar Streetlight Luminary)	
Charge controller type	(12V/10A Max)
Solar Street Light luminary	
Number of Luminaries	One
Lamp type	Compact Fluorescent Lamp (CFL), 4P in, Single U
Rated Lamp wattage	2 x 11W (900 ± 5% Lumens)
Module Mounting Structure	
Mounting Type	Pole Mount
Material & Finish	Mild steel, Galvanized
Battery Enclosure	
Fixing	Pole Mount
Material & Finish	MS Cold Rolled Sheet, Powder coated
Cable Assembly	
Module to Streetlight Luminary	1 Sq.mm cable with ring terminal
Battery to Streetlight Luminary	1 Sq.mm cable with ring and fork terminal
Battery to Streetlight Luminary (Sense)	0.5 Sq.mm cable with ring and fork terminal
Pole	
Length & Diameter	4 Meters Above Ground, 72mm OD
Material & Finish	Mild Steel, Powder coated

*Pictures are for illustrative purpose only. Actual Products may vary.

Manufacturer:

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