

MG POWER

Easy Solar 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 kits are available. Easy Solar has a wide range of Solar Street lights, for different lighting. Fully assembled and factory tested kits are available. Easy Solar has a wide range of Solar streetlights, for different lighting requirements.

Easy-11W is the stand alone Solar Street lighting system of Easy Solar, comprises of two CFL Lamp in one street light luminaire (SSL) each luminaire using Compact Fluorescent Lamp (CF Lamp) of 11W 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
- Temperature compensated battery set points
- Weather proof luminaries
- Adequate protections and indications
- UV stabilised bowl and canopy
- Anodized aluminum reflector

Technical Specifications

	STREET LIGHT (11 X 2 CFL)
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General	
Application	Solar powered lighting, Outdoor
Duty cycle	12 Hrs (DTDC)
System Voltage	12V DC
Number of days of autonomy	4 Days
SPV Module	
Module Type	Mono / Poly Crystalline Silicon
Module power @ 16.4V (STC)	100Wp (50Wp x 2 Nos)
Battery	
Battery type	Flooded lead acid (Tubular)
Battery capacity @ C/10	120Ah (Flooded @ C/10 or 120 Ah VRLA @ C/20)
Solar Charge controller (Built-in to Solar Streetlight Luminary)	
Charge controller type	Series PWM,Two step (6A Max)
Solar Street Light luminary	
Number of Luminaries	Two
Lamp type	Compact Fluorescent Lamp (CFL), 4P in, Single U
Rated Lamp wattage	11W (900 ± 5% Lumens)
Module Mounting Structure	
Mounting Type	Pole Mount
Material & Finish	Mild steel, Galvanized
Battery Enclosure	
Fixing	Floor Mounting
Dimensions	1100x975x600 mm
Material & Finish	MS Cold Rolled Sheet, Powder coated
Cable Assembly	
Module to Streetlight Luminary	2.5 Sqmm cable with ring terminal
Battery to Streetlight Luminary	2.5 Sqmm cable with ring and fork terminal
Battery to Streetlight Luminary (Sense)	0.5 Sqmm cable with ring and fork terminal
Pole	
Length & Diameter	6 Mtr Long, 3" Dia
Material & Finish	Mild Steel, Galvanized



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