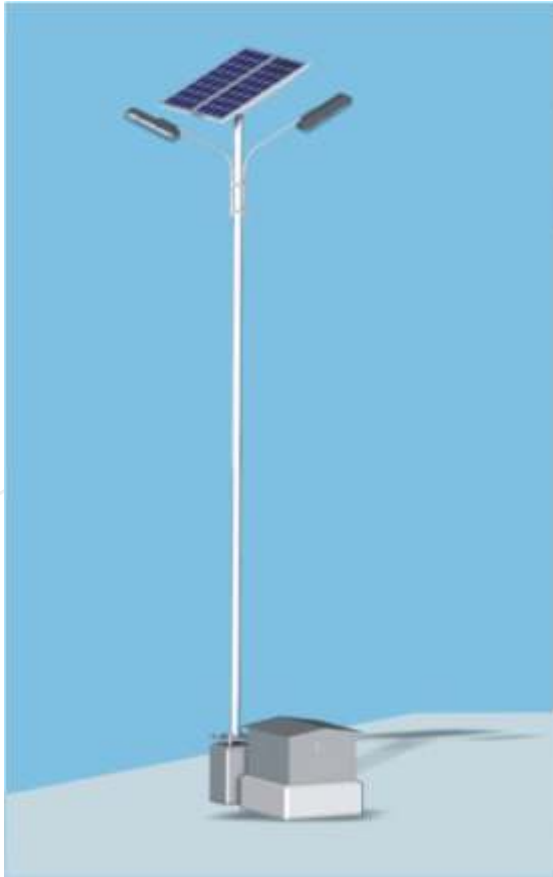


SOLAR STREET LIGHTING SYSTEM



ISO 9001:2000

Suntron 18W Duo



Solar street lighting system is an ideal lighting system for the illumination of streets, squares and cross roads located in areas that are not connected to the power grid. This 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. Ammini Solar has a wide range of Solar Streetlights, for different lighting requirements.

Suntron 18W Duo, is the stand-alone Solar Street lighting system of Ammini Solar, comprises of two Solar Streetlight Luminary (SSL) each using Compact Fluorescent Lamp (CF Lamp) of 18W 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.

Suntron 18W Duo is available in 2 models- Economy and Standard- the difference being the module wattage and battery capacity to suit the needs of locations with different sunlight.

FEATURES

- Automatic Dusk to Dawn Controller (DTDC)
- Highly efficient charge controller and Inverter
- Two step charging algorithm
- Temperature compensated battery set points
- Adequate protections and indications
- Weather proof luminaries
- UV stabilised bowl and canopy
- Anodised aluminium reflector

TECHNICAL SPECIFICATION & ORDERING INFORMATION

	Economy Model	Standard Model
General		
Application	Solar powered lighting, Outdoor	
Duty Cycle	12 Hrs (DTDC)	
Number of days of autonomy	4 Days	5 Days
System Voltage	12V	
Solar PV Module		
Module type	Mono / Poly Crystalline silicon	
Module power	130Wp (65Wp x 2 Nos.)	150Wp (75Wp X 2 Nos.)
Battery		
Type	Flooded Lead Acid (Tubular) or VRLA SMF Lead Acid	
Battery Capacity (@ C/10 for Tubular and @ C/20 for VRLA)	150Ah (Flooded) 160 Ah (VRLA)	200Ah (Flooded) / 200 Ah (VRLA)
Solar Charge Controller (Built-in to Solar Streetlight Luminary)		
Charge Controller Type & Rating	Series PWM two step; 8A Max.	
Solar Street Light Luminary		
Number of Luminaries	Two	
Lamp Type	Compact Fluorescent Lamp (CFL), 4 Pin, Single U	
Rated Lamp Wattage	18W (1200 – 5% Lumens)	
Battery Enclosure		
Fixing	Floor Mounting	
Size (L X W X H)	1100 X 975 X 600 mm	
Material & Finishing	MS Cold Rolled Sheet; Powder coated	
Module Mounting Structure		
Mounting Type, Material & Finishing	Pole mount; Galvanized Iron; Hot Dip Galvanized	
Cable Assembly		
Module to Streetlight Luminary	2.5 Sq.mm cable with ring terminal	
Battery to Streetlight Luminary	2.5 Sq.mm cable with ring and fork terminal	
Battery to Streetlight Luminary (Sensing)	0.5 Sq.mm cable with ring and fork terminal	
Pole		
Length & Diameter	6 Mtr Long, 3" Dia.	
Material & Finish	Mild Steel; Galvanized	
ORDERING INFORMATION (MODEL NUMBER)		
With Tubular Battery	SLS-13036A	SLS-15036C
With VRLA (SMF) Battery	SLS-13036B	SLS-15036D