

Solar Street Light

Solar LED StreetLight 7W to 55W

Overview

It is an ideal system for public lighting, park campus and cross roads located in areas where there is no grid or unstable grid power. This system is fully integrated and automated with the latest and most innovative technologies available, providing years of convenient and trouble free lighting.

Salient Features

- Low power consumption and energy efficient LED lamps
- Long life >50,000 Hours
- Solar Panel and battery with IEC certification compliance
- Easy installation and maintenance free
- Dusk and dawn load operation with programmable option for night timer
- Smart advanced micro controller technology with accurate voltage settings
- Mechanical structure with hot dip galvanisation and powder coating for long life
- High efficiency series regulation with three stage charging technique
- Built in temperature compensation for proper battery charging
- The system can work normally for two days continuously even in rainy days when there is little to low sunshine

Applications

- Pathway and perimeter lighting
- Yard lighting
- Park lighting

Benefits

- Return on investment in 5 years
- 100% green power
- N electric bills
- Zero operation and minimal routine maintenance cost
- No grid connection for a improved safety factor
- No trench – Reduced installation and labour cost



Names goes here



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Specifications

Model	GSSS-7	GSSS-15	GSSS-30	GSSS-55
Solar Module	40Wp	80Wp	160Wp	250Wp
Battery @ C10 and Maximum DOD 80%	12V, 40Ah	12V, 75Ah	12V, 110Ah	24V, 110Ah
Battery Type	VRLA Gel/Tubular Flooded			
Lamp Output Wattage	7W	15W	30W	55W
Light Output (Typical)	850 Lumens	1500 Lumens	3100 Lumens	5700 Lumens
Equivalent Conventional Light (approximate)	15W CFL	30W CFL	70W WSV	150W HPS/MH
IP Rating of the Luminary	IP65	IP65	IP65	IP65
Operating hours (Varies by Location)	10-12 Hrs daily			
Autonomy Days (Varies by Location)	3 Days	3 Days	3 Days	3 Days
Recommended pole Height Above Ground	3-4 meters	5-6 meters	6-7 meters	7-8 meters
Pole and Module Mounting Structure	Galvanized Steel Structures - Optimum Tilt Angle for Modules			
Battery Box	CRCA Enclosure Powder Coated and Acid Resistant for Inner Surface			
Charge Controller Type and Rating	PWM - 12V, 5A	PWM - 12/24V, 10A		
Self Consumption of the CCU	<10mA			
Protections	<ul style="list-style-type: none"> • Transient / Surge • Over Charging / Deep Discharge • Reverse Polarity Protection • Electronic Over Load Protection • Reverse Current Protection from Battery at Night 			
Cables	Copper Conductor With UV Resistant for Outdoor Cables			
Installation Materials	Shall be of High Quality and Sufficient to Complete Installation at Site			
Operating Temperature	-10° to +55° C			
Humidity	Up to 90% RH			

Note

1. Above system configurations are our standard systems. They are suitable for areas where average peak sunshine is 5-6 hrs per day. Other customised system design according to client's specific requirement is also available on request.
2. All measurements and applicability under standard test conditions based on OEM guarantee/warranty.
3. The pole height is recommended to get the optimum light output, can be changed based on client's specification/ requirement.
4. Specifications are subject to change without prior notice.