



SOLAR LED STREET LIGHT (7W LED luminaire)



Solar Hi-mask LED street lights present the perfect and cost-effective solution for security, roadways, Hi-ways, inner street roads and other general area lighting applications. Solar Hi-mask LED streetlights provide the capabilities of AC powered HPSV illumination in a solar lighting solutions Due to their low power consumption and very long life-span, (>50,000 hrs) LED Street lights are a good alternative to HPSV (High pressure Sodium Vapour) CFL (Compact Florescent Lamp) or MH (Metal Halide) Unlike LPS lamps that produce a yellow-orange light, Solar street lights using LED technology generate a very powerful and targeted crisp white light of excellent quality, which significantly improves color rendition and night visibility.

FEATURES

- High efficiency electronic circuitry , Environmental friendly –no hazardous material i.e. - mercury
- Very low self-consumption, Highly energy efficient
- Robust to thermal and vibration shocks , No infrared or UV beam output
- Automatic dusk to dawn operation.
- More intensity of light ,Low maintenance , High reliability and durability



TECHNICAL DATA:

Output Light Intensity (lux)	8 -10lx @ 12ft (3.7m)
Nominal Power (W)	8
Efficiency (%)	>76
No of LEDs (NOS.)	6
LED Power (W)	1.2
LED make	CREE/ NICHIA/ OSRAM etc
SPV Modules (Wp)	37
Max Module Current, I _{max} (A)	3
Nominal Battery Voltage (V)	12
Battery Capacity (Ah) & Type	60 & Tubular
Charging Method	CC-CV(boost)/ CV(Float)
Display Indications	LED (Low Battery, Charging)
Battery Connection	4 meter long 1.5 mm Sq copper wire with lugs provided
Indication	Battery Charging, Battery Low, Battery Overcharge
SPV Connection	2.5 meter 1.5 Sq mm two core copper wire fitted with Lugs
Pole Height (m)	4.5m (15 ft)
Installation	Pole / Wall Mounting
Luminary Dimension	290 X 145 X 190mm
Battery Box	MS Sheet box with non weatherproof power coating
Luminaire Degree of Protection	IP 65
Cooling	Natural air cooled
Ambient Temperature	-20 ⁰ C to +50 ⁰ C