



## **SOLAR LED STREET LIGHT (45W 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 e.g.- 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)	40 lx @ 5.5 m
Nominal Power (W)	45
Efficiency (%)	>95
No of LEDs (NOS.)	36
LED Power (W)	1.2
LED make	CREE/ NICHIA/ OSRAM etc
SPV Modules (Wp)	200
Max Module Current, I <sub>max</sub> (A)	10
Nominal Battery Voltage (V)	12
Battery Capacity (Ah) & Type	150 & Tubular
Charging Method	Series Pulsed Two Step
Display Indications	LED (Low Battery, Charging)
Battery Connection	5 meter long 6 sq mm copper wire with lugs provided
Indication	Battery Charging, Battery Low
SPV Connection	4 meter 4 Sq mm two core copper wire fitted with Lugs
Pole Height (m)	9
Installation	Pole / Wall Mounting
Battery Box	MS Sheet box with non weatherproof power coating
Luminaire Degree of Protection	IP 65
Cooling	Natural air cooled