

## Solar LED Street Lights

The Solar Street Light system is specially designed for outdoor application in un-electrified remote rural areas as well as urban solar electrification to conserve energy. This system is an ideal application for campus and village street lighting. The system is provided with battery storage backup sufficient to operate the light for 12-14 hours daily. The system is provided with automatic ON/OFF time switch for dusk to dawn operation and overcharge / deep discharge prevention cut-off with LED indicators.

### General Specifications

MODEL	LUMINARY (CFL)	BATTERY (SMF)	SOLAR MODULE	MS POLE (meter)
NESSL-09	9W/12V	42Ah/12V	37W/12V	5
NESSL-12	12W/12V	65Ah/12V	70W/12V	5
NESSL-15	15W/12V	75Ah/12V	75W/12V	5
NESSL-18	18W/12V	100Ah/12V	100W/12V	5
NESSL-24	24W/12V	130Ah/12V	130W/12V	6
NESSL-30	30W/12V	150Ah/12V	150W/12V	6
NESSL-36	36W/12V	180Ah/12V	180W/12V	7



### Features & Applications

- Remote areas where conventional electricity is not available Parking lots, College campus, Residential complex etc.
- Automatically switch on & off at dusk and dawn.
- Warranty of 2 year from the date of installation and 10 years performance warranty for solar Modules.
- Environment friendly with no UV radiations emitted.

### General Electrical / Mechanical Specification

- System Operating Voltage- 12V
- CFL Wattage- 11W/9W (OSRAM)
- Driver Circuit efficiency- above 85%
- Load disconnect- 11.2V ± 0.2 (Battery Voltage)
- Load reconnect- 12.5V ± 0.2 (Battery voltage)
- Protection- High Cut-off, Low Cut-off, Reverse Polarity
- Battery Used- VRLA SMF battery 12V at C/20 rate
- System Autonomy- 3 days (48 hours continuous burning operation)
- Indicator- Green LED- Charging Mode Red LED- Low Battery
- Luminary Body- Aluminum die cast/ plastic
- Luminary Protection- IP65
- Pole- Tubular MS Painted/galvanized with solar panel mounting Frame and Battery box( MS sheet/FRP/Plastic)

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