



can be customized as per specific requirement

FEATURES

- Super Bright LED Source with Photometric Design for Rectangular beam pattern.
- Solar energy storage in Lithium Ion / Lithium Ferrophosphate battery with 1 or 2 days back-up (customization possible)
- High Intensity, High Uniformity and Glare Eliminated Light.
- Module Integrated Design, Long Life, Easy Maintenance.
- No hassle of Bulb Replacements. Perfect for Roads, Expressways, Highways.
- Eliminates the Visual Fatigue which is caused by traditional street lights.
- High Colour Rendering Index (>75) Termendous Energy Saving compared to traditional Lamp.
- Totally Green. No Lead, No Mercury and No Pollution.

SPECIFICATION

LIGHT SOURCE

1. White LED type, Multiple lamps, View Angle-minimum of 120°.
2. The luminous performance of LEDs- > 100 lumen/watt.
3. Colour Temperature of white LEDs 5500K - 6500K. Warm White 3000K and Daylight White 4000K can also be provided.
4. The lamp housing is perfectly suitable for outdoor use.

BATTERY

1. Lithium Ion or Lithium Ferrophosphate, conforming to latest BIS standards or international standards.
2. Using High Quality Lithium Cells.
3. Designed for Dusk to Dawn operation and back-up as required.

ELECTRONICS

1. The total electronic efficiency > 80 %.
2. Operating Voltage of Electronics -12 V.
3. Protections- Heat Dissipation, Battery Overcharge and Deep Discharge, Short Circuit. Reverse Flow, Open Circuit, Short Circuit and Reverse Polarity.

PV MODULE

1. Type - Multicrystalline or Polycrystalline.
2. PV Module is suitably used based on : LED Wattage, Lithium Battery used and back-up required.
3. Conforming to International Standards with all requisite global certifications.
4. PV Module Bracket can be adjusted to get maximum exposure to sunlight.

MECHANICAL COMPONENTS

1. Pole height will be provided as required.
2. Pole Material- Galvanized / Corrossion Resistant Painted Pole.
3. Metallic arm for holding the light is provided.

WARRANTY

1. The PV module will be warranted for a minimum period of 10 years from the date of supply and the complete LED Solar Street Lighting System (including the battery) will be warranted for a period of 2 years from the date of supply.

DOCUMENTATION

1. Operation, Instruction and Maintenance Manual will be provided if required.

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SOLAR PANEL CERTIFICATIONS

