



The sun is an inexhaustible, reliable, non-polluting source of power. Concerns over global climatic change, local air pollution, and resource scarcity make photovoltaic (PV) an increasingly attractive energy supply technology. Using solar energy with LEDs instead of CFLs provides a very efficient solution.

Solar powered outdoor lighting products are ideal for lighting the area in remote locations where the electricity is unavailable or erratic. Even in urban areas, these find great usage to reduce dependency on conventional power and contribute towards green energy. Reliable and long life makes this solution effective in fulfilling our present and future lighting requirements.

#### SYSTEM DESCRIPTION

**PANEL:** Only A-brand quality mono- and poly- crystalline silicon solar panels with high efficiency and long lifetime are used.

**LED.:** High Lumen LED modules for maximum efficiency. Dedicated designed low-voltage solar controller technology with dimming capabilities for power-save management.

**CONTROLLER:** Highly efficient controller to charge your batteries and intelligent microprocessor controlled algorithms for light management ensure maximum up time by autonomously determining sunrise and sunset.

**BATTERY:** Specific deep discharge batteries are used to store the energy, provide energy for immediate requirements, and enable a back-up for days when there is little or no sun.

#### FEATURES

- Solar panels do receive as much direct sunlight on cloudy, rainy days, and in the Winter. Therefore, the number of hours stays on will not be reduced during those days.
- The construction of this solar LED light is sea front-resistant, and you will enjoy years of trouble-free use in all weather conditions if installed properly.

#### BENEFITS

- No line voltage, trenching, or metering.
- No power outages.
- Battery backup for cloudy or rainy days.
- Independent power and light source- no two systems are connected, hence no single point of failure.
- Easy to install.
- No maintenance except for the battery.
- No cost of transformers or meters to be added for electric service.
- Qualify for savings from various state taxes and incentives.
- No monthly electric bills.
- Controlled charging to prolong battery service life.
- Long-life PV modules with more than 25 years of power generation capacity.
- Environment friendly - 100% powered by the sun, solar panels reduce fossil fuel consumption, eliminating Pollution.
- IP 65 Luminaries ensures long lasting and consistent high performance. Self-contained solution - Light on/off

Note: Specifications are subject to change.

#### *Tesca Technologies Pvt. Ltd.*

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- No running cost.
- Better and long life light source - LED lights feature white light without flickering and instant on.
- Safe 12/24 volt circuit, no risk of electric shock.

**TECHNICAL SPECIFICATIONS (Solar Street Light)**

SN.	FEATURE	Order Code - 26012A	Order Code - 26012B
1.	MODULE	40Wp	60Wp
2.	BATTERY	12V 40AH	12V 60AH
3.	W-LED	12 WATT	12 WATT
4.	GALVANISHED POLE	5Mtr Above Ground Level	6Mtr Above Ground Level
5.	BATTERY BOX	Plastic/Galvanised	Plastic/Galvanised
6.	CABLE	BIS Marked	BIS Marked
7.	WARRANTY	5 years Warranty+5 Years Comprehensive onsite Maintenance	5 years Warranty+5 Years Comprehensive onsite Maintenance

SN.	FEATURE	Order Code - 26012C
1.	MODULE	75Wp
2.	BATTERY	15/18V 75AH
3.	W-LED	12 WATT
4.	GALVANISHED POLE	6Mtr Above Ground Level
5.	BATTERY BOX	Plastic/Galvanised
6.	CABLE	BIS Marked
7.	WARRANTY	5 years Warranty+5 Years Comprehensive onsite Maintenance

**TECHNICAL SPECIFICATIONS (Solar Street Light-High Mast)**

SN.	FEATURE	Order Code - 26013A	Order Code - 26013B
1.	POWER RATING	100W * 9 LED Luminary, pole-35 feet (AC high Mast light with 9 LED Luminary of 100 W, Each with all Accessories and cable)	100W * 12 LED Luminary, pole-35 feet (AC high Mast light with 12 LED Luminary of 100 W, Each with all Accessories and cable)
2.	White Brightness	120 Lumens per Watt	120 Lumens per Watt
3.	Colour Brightness	6500K	6500K
4.	Protection	IP 65	IP 65
5.	Lamp Life	50,000 hrs	50,000 hrs
6.	Casing	Aluminium Die Casting	Aluminium Die Casting
7.	Cable	BIS Marked	BIS Marked
8.	WARRANTY	5 years	5 years

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