

Power Guard Solar Street Light

Go Green.....

Use Solar Power

Solar street lights are fresh alternative to traditional street lamps such as LPS, HPS, or MH street lights. LED lighting provides a multitude of advantages over conventional incandescent light: LED solar street lights are environmental friendly, energy efficient, and cost-effective. This smart, 'green' option for outdoor LED lighting has emerged on the green scene due to the recent technological advancements of LED illumination.

But the 'greener' option for you is the solar street light powered by sunlight. Solar street lights recycle green energy lighting system. LED Solar street lights are of energy saving and environmental friendly, which can be used for residential, road, park and so on. High quality solar panel of spark solar street lights absorb sunlight and convert into electricity energy, then charges maintenance-free battery and finally LED solar street lights automatically on when day off, auto-off when day break.

The working principle of solar street lights is:
Solar panel absorbs sunlight and converts it to electricity to drive LED solar street lights.

The whole system of solar street lights is mainly composed by:
LED street light, solar panel, lead acid battery and solar street light controller, pole. (suggest 60W solar street light with 6-8m height).

Because of different weather condition in different country and different requirements from different market, so the specification of each part of the whole LED solar street light system, especially solar panel and battery, are depending on following factors:

- Average local daily sunshine hours.
- Working time of the solar street light system per night.
- Backup days of the solar street light system during rainy days.

Applications:

- Street lighting
- Architectural, landscape lighting
- Highway lighting
- Residential streets
- Pedestrian walkways
- Parking lots
- Docks and Piers
- Remote and Rural Locations

Specifications:

Model	SOLAR STREET LIGHT	
	PGEL - 10 LED	PGEL-18 LED
Solar PV	40W polycrystalline	75W polycrystalline
Battery	12V / 42AH SMF	12V / 75AH SMF
LED luminary	10W LED	18W LED
Pole Height	4 metres	5/6 metres
Dusk to Dawn feature	yes	yes
Color temperature	6000-6500 K	6000-6500 K
Autonomy rainy day	2 days	2 days



- Factory Lighting
- Colony playgrounds
- Yard lighting



Specification subject to change without prior intimation | R&D being a continuous process