



Solar Street Light System

Maintenance free solar street lights



High Reliability And Low Cost Of Ownership.

Solar India is leading the industry in both design and Technology for Solar Street lighting application. Our lighting solutions are fully solar-powered and environmentally friendly. Our innovative technology **offers a convenient and sustainable alternative to** your lighting requirements with bright illumination and easy maintenance.

Maintenance-free system

At SI, one of our main priorities is to ensure complete peace of mind for our customers. Thanks to our innovative system design and battery technology, our solar street lights require less maintenance compared to conventional solar street lights.

Theft Retardant System

In our continued pursuit to offer you complete peace of mind, we design our systems with great concern

towards safety and security. The battery is fixed on the pole top which makes battery as theft retardant.

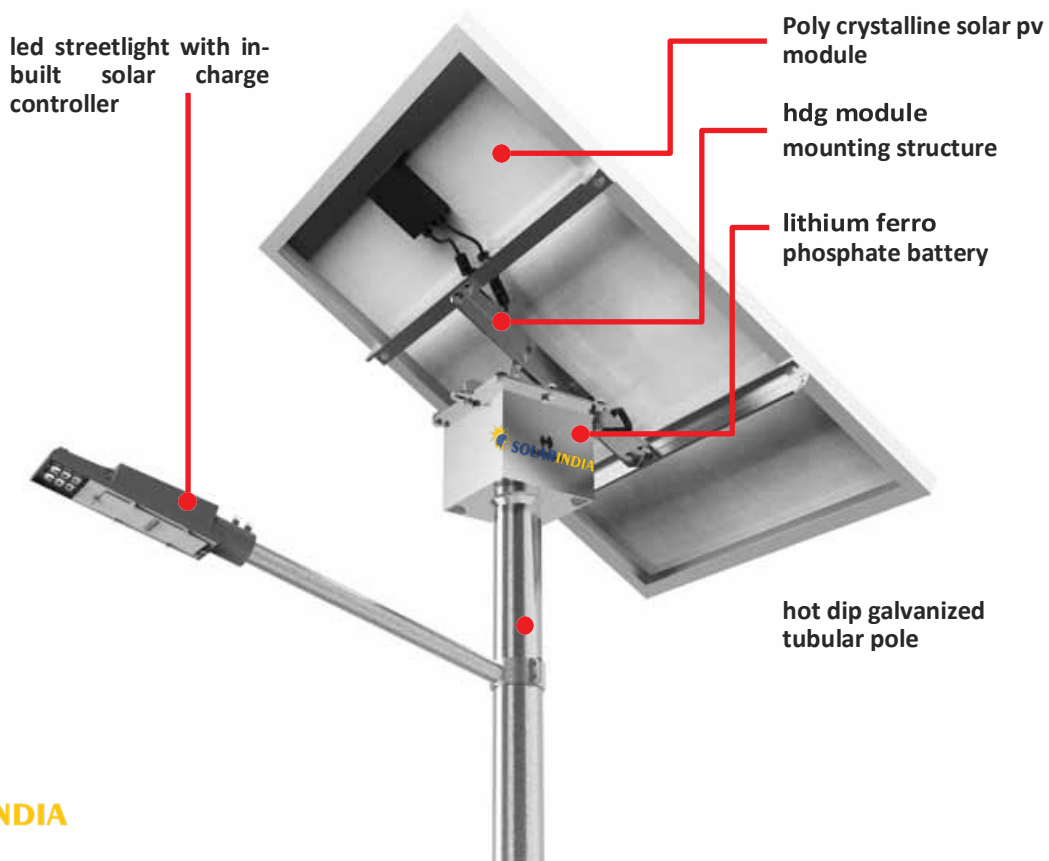
lifeP04 battery

The Lithium Ferro Phosphate battery pack is combination of Maintenance free cells which are highly powerful with 90% Depth of discharge and **designed to not only provide you with an extremely efficient energy storage but longer life and faster** charging as well. Our batteries include an in-built BMS for battery safety.

Easy Transportation Fast Installation

Our modular approach towards design keeps the number of components to a minimum which helps in easier transportation and faster installation. There by increasing economic savings to customers.

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Loaded with benefits

Besides The Technology And Design, There Are A Number Of Advantages That Set Our Street Light Solutions Apart From The Competition.

- High Power LED delivers system lumen output > 120 Lm/ W. This minimizes size of solar panel and battery thereby reducing overall system cost.
- Optical lens as per road lighting standards
- Aluminum pressure die casting & IP66 protection from dust and water
- Green LED indication for solar charging. Red LED indication for battery low
- Inbuilt MPPT Solar Charge controller to extract maximum power from PV module
- Charging algorithm specially designed for LifePO4 battery to ensure efficient battery charging & longer life.
- Automatic Dusk to Dawn operation



Product And Price :

<u>Model</u>	<u>Description</u>	<u>LED</u>	<u>Panel</u>	<u>Battery</u>	<u>LED Lights</u>
SII - AIO18	Street Light - 18 W	18 W	40 W	18 AH	18 W
SII - SL12	Street Light - 12 W	12 W	40 W	26 AH	12 W
SII - SL18	Street Light - 18 W	18 W	50 W	42 AH	18 W
SII - SL24	Street Light - 24 W	24 W	75 W	50 AH	24 W
SII - SL36	Street Light - 36 W	36 W	100 W	72 AH	36 W
SII - SL48	Street Light - 48 W	48 W	150 W	120 AH	48 W
SII - SL60	Street Light - 60 W	60 W	250 W	150 AH	60 W
SII - SL120	Street Light - 120 W	120 W	500 W	150 AH	120 W

Flexible Mounting options

- The mounting structure of solar panel can be easily directed towards southern direction
- Solar panels can be tilted to different angles to ensure maximum performance
- Very easy and fast installation of the system which reduces overall installation cost

Pole & accessories

- Hot-dipped galvanized tubular pole
- Galvanized bracket and mounting structures
- Compact installation kit - no loss of accessories during transportation
- Very easy to store and transport



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