

[ALL IN ONE]

INTEGRATED SOLAR STREETLIGHTS

Solar Streetlights have gone through many steps of transformation. Every advancement in technology has made these streetlights more efficient and reliable in operation. SUNRAY drives this journey of evolution further with latest range of streetlights, designed for the modern infrastructure in the country.

All-in-one Streetlights make solar solutions more efficient and easy to adapt. No longer you have the bulky solar photovoltaic (PV) panel and lead acid battery box mounted on the poles along with the streetlight. Integrated as one single unit, this solar streetlight houses all the components like the solar PV panel, charge controller, driver and battery inside the streetlight itself. It looks super sleek and trendy, just perfect for any urban landscape.

- Ecofriendly with integrated technology
- Modern design
- Enhanced efficiency and intelligence
- Easy and quick installation
- Higher reliability, long service life



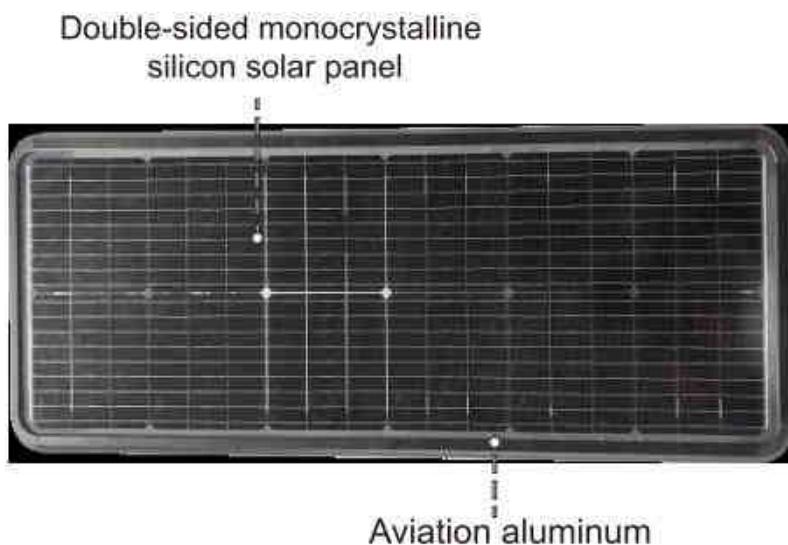
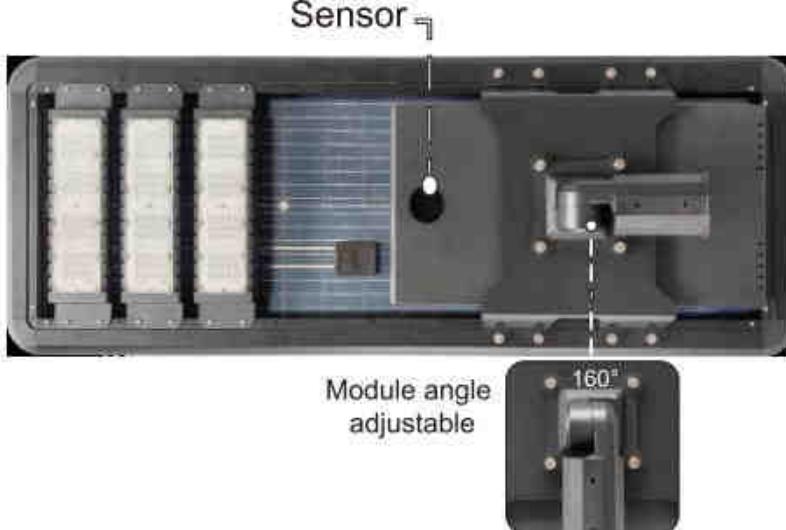


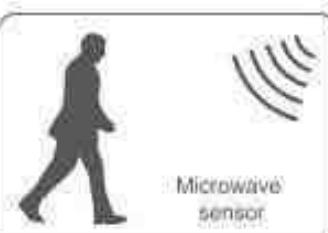
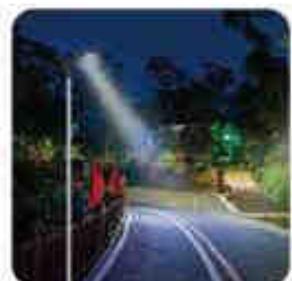
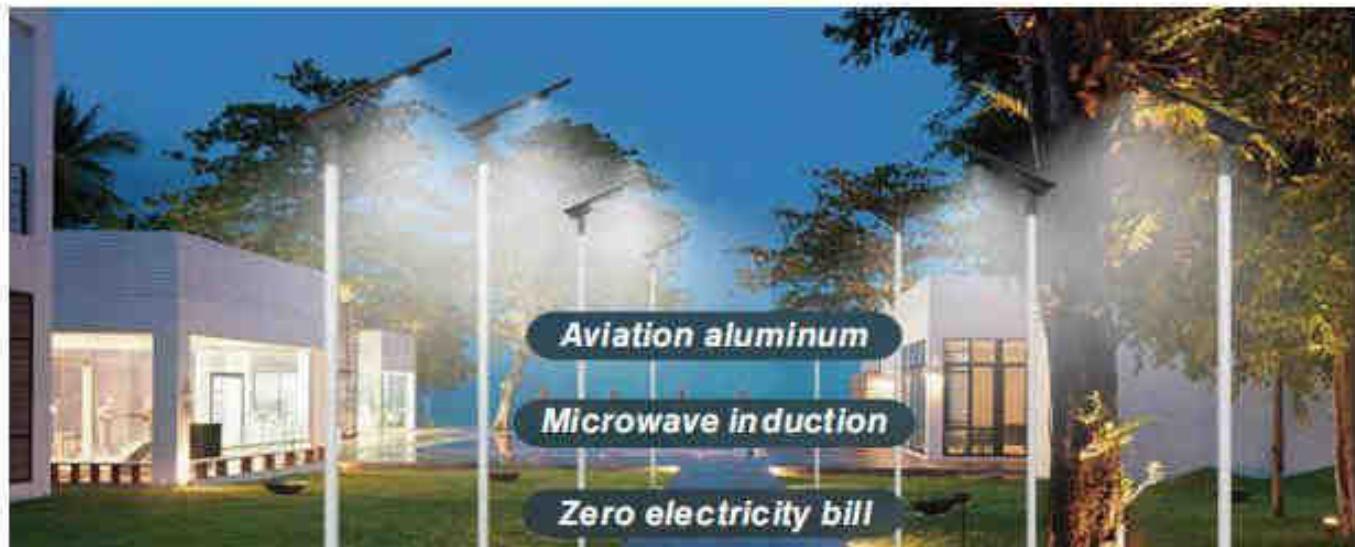
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INTEGRATED SOLAR STREETLIGHTS

DIY Series

ALL IN ONE SOLAR STREET LIGHT





Microwave sensor



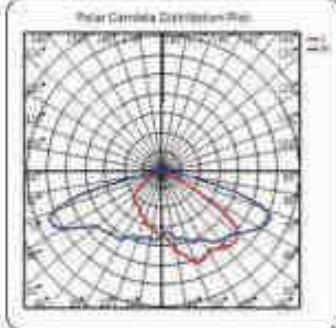
Rotatable bracket



Detective angle 180°



H=8-10meters



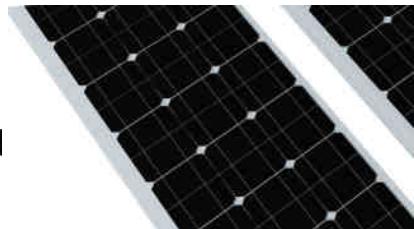
Product advantages

- ADC12+aviation grade 6063 aluminum housing.
- Precision die-cast aluminum housing, strong and durable.
- Double-sided high-efficiency monocrystalline silicon solar panels, with a lifespan of up to 15 years.
- Precisely adjustable module angle, the number of modules can be increased or decreased.
- The photoelectric conversion efficiency is as high as 22% on the front and 16% on the back.
- IP66, IK10, resistant to 14 grade typhoons, installation height 8-10 meters.
- Applicable to places such as highways, parks, schools, squares, communities, parking lots, etc.
- Power: 20W/50W/90W
- Battery: LiFeP04
- Luminous efficiency: 190Lm/W
- Ra: >70

PRODUCT STRUCTURE

SOLAR PANEL

The mono crystalline panel's top efficiency, enhances the energy conversion in the streetlight. It helps in faster charging and increasing the overall efficiency.



BATTERY

The streetlights use high power compact design high performance lithium ferro phosphate batteries which are tested to perform under high temperatures.

LED

High efficiency, long-life LEDs use special lenses providing better optics and street lighting distribution.



SOLAR CONTROLLER

Innovative MPPT technology ensures maximum performance and yield from solar system. It helps extract maximum available power from PV module and significantly extend battery life-span.

It detects movement within several meters of the unit and automatically.

Regulates the output of the LED lamp from a "DIM mode" to "Full-brightness".

Depending upon whether motion is detected. This smart feature preserves battery power as well as increases. Controller, PIR/ Microwave sensor and On/off switch





PRODUCT PARAMETERS

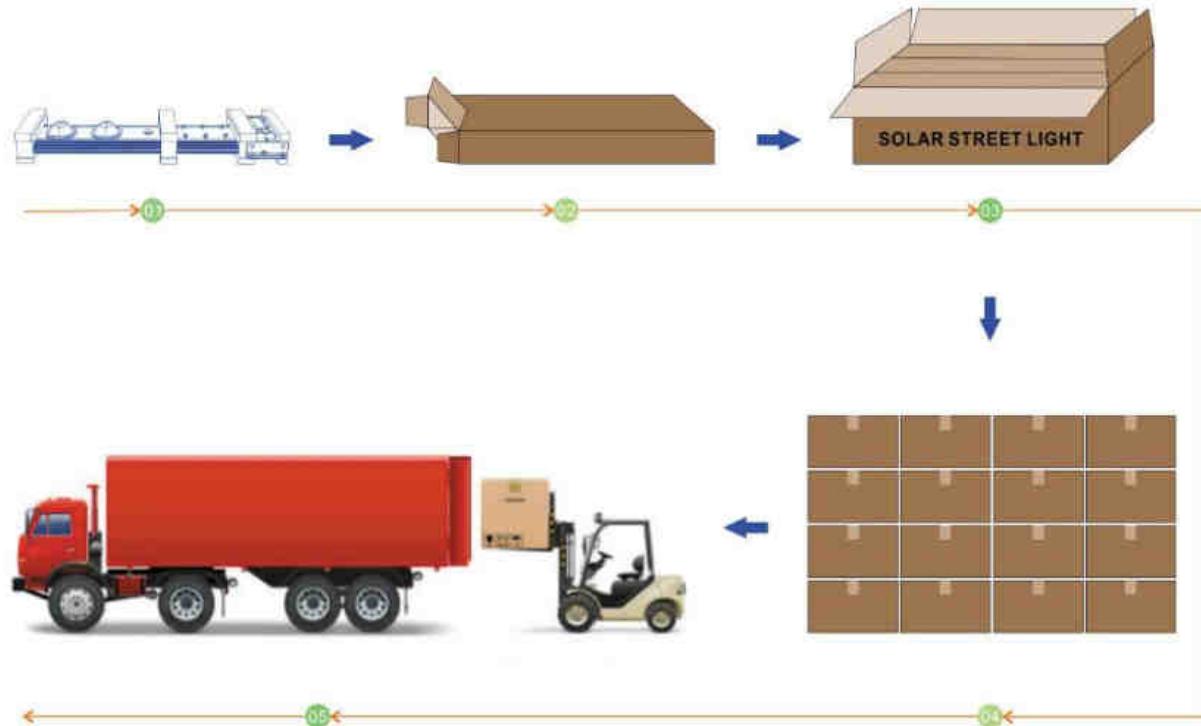
| Electrical Characteristic | | | |
|---------------------------|----------------------|----------------|---------------|
| LED Power | 20W | 50W | 100W |
| Solar Panel Power | 6V 30W | 18V 90W | 36V 200W |
| Solar Panel Type | mono silicon | | |
| Battery Capacity | 3.2V 60Ah LFP | 12.8V 38Ah LFP | 25.6V48Ah LFP |
| Controller | 3.2V 10A | 12V 10A | 24V 10A |
| Charge Time | 6-8Hours | | |
| Discharge Time | 2 cloudy days | | |
| Auto Switch Threshold | 10lux | | |
| IP Rating | IP65 | | |
| Operating Temperature | - 20 to + 65°C | | |
| LED Parameters | | | |
| LED Brand | SMD 7070 | | |
| LED Life Time | 50000hours | | |
| No. of LED Chips | 16pcs | 32pcs | 48pcs |
| Lumen | 3700lm | 9000lm | 17100lm |
| Luminous efficient | 180-190LM/W | | |
| Color Temperature | 4500-6000K(Optional) | | |
| Beam Angle | TYPE-3-80°*150° | | |
| Mechanical Specification | | | |
| Material | aluminum+PC Lens | | |
| Luminaire Size | 258*790*50MM | 1273*407*90MM | 2035*601*90MM |
| CRI | > 70Ra | | |
| Mounting Height | 4-5meters | 6-8meters | 8-10meters |

APPLICATION AREAS

Better technology, sleek design and superb efficiency make all-in-one Solar Streetlights suitable for many lighting applications. With a wide range of wattages, these streetlights adapt to various areas and deliver a clean and green solution.



★Product Packaging & Delivery



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