

ALL In One

Solar Street Lights



Product Features

- The radiator is 6063 aluminum, which adopts thick anti-corrosion paint treatment;
- No additional wiring is required, saving costs; multiple mounting brackets can be tube mounted, arm mounted, etc.;
- Direct luminous design, high light transmission PC protective cover, light transmittance of more than 90%, high light efficiency;
- MPPT controller, effective sunshine for 6 hours, lasting 3-7 rainy days, The human body sensor + light control output can be set as required;
- Genuine imported chip lamp beads, high light efficiency, low light attenuation, high energy saving efficiency;
- High thermal conductivity aluminum substrate and radiator, low temperature rise, good heat dissipation of the whole lamp, and more guaranteed life;
- 3 years warranty guarantee, lifetime cost and price maintenance.



IP65

3 YEAR
WARRANTY

6 Reasons To Choose Us

1

Professional Lighting
superb technology,
stable quality.

2

Much Longer Warranty
The whole fixture with
3 years warranty.

3

Technical research
Professional research team,
integrating design and
production

4

Top quality heat sink
Excellent heat dissipation with stable
performance, No fading and much
longer life time.

5

Quality assurance
The item meet International
quality and environmental certification.

6

Novel design
The design of the lamp body is novel
and elegant. On the basis of maintaining
the technology, the beauty of the lamp
body is increased.



LKseries



IP65



APPLICATION

High-quality professional LED production

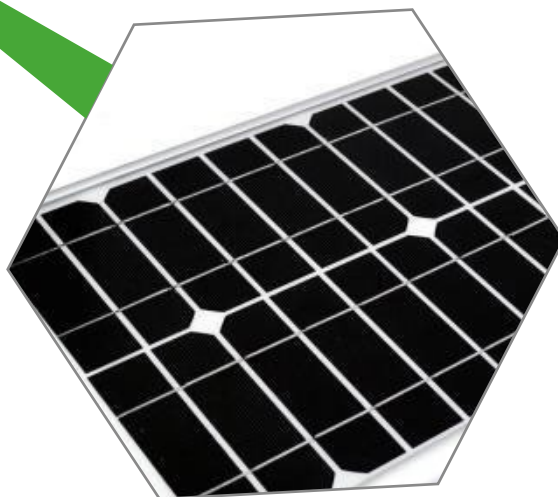
Focus on lighting engineering construction, lamps can be used for a variety of occasions
professional lighting technology to provide customers with
high-quality lighting production services.



Scope of application: main roads, road lighting in industrial parks,
highways, viaducts, Urban street, country road,
sidewalk and other road lighting.

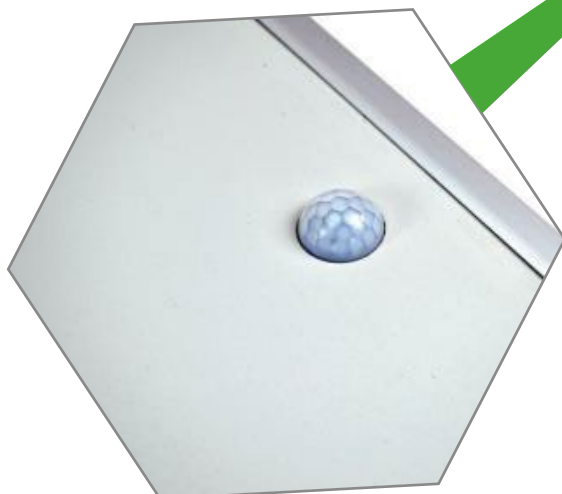
Monocrystalline solar panel

Imported Mono solar panles.the panel chip is closely covered,the light charging is faster.



Smart sensor

MPPT controller, Human body induction+light control can be setted up as per actural need. Auto on/off.



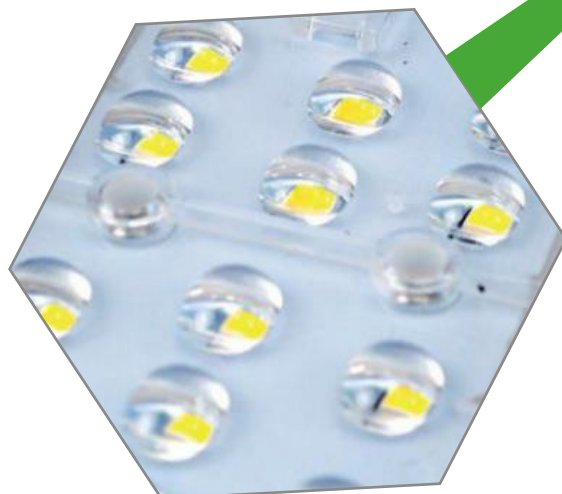
Aluminum display

The radiator is 6063 aluminum, which adopts thick anti-corrosion paint treatment.



Light source chip

Using LUMILEDS (Lumileds) SMD 3030, with high thermal conductivity, low light attenuation, The light color is pure, the finger is high, and there is no ghosting. The light efficiency is up to 170lm / w.



lithium battery

Lithium LifePO4 battery 12.8V, large capacity, full charge only need 6 hours bright sunshine. can support 3-7 rainy days. Overcharge protection, over discharge protection, temperature control protection.



PC protective cover

Direct light design, high light transmission PC protective cover, light transmittance of more than 90%, high light efficiency.





PRODUCT PARAMETERS

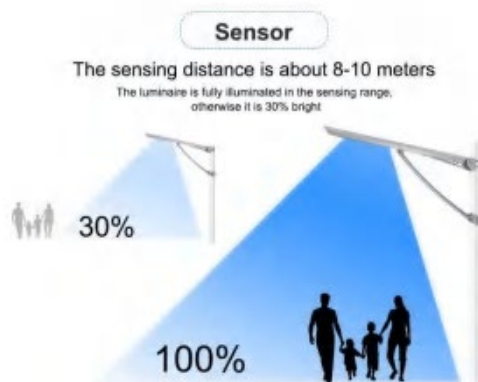
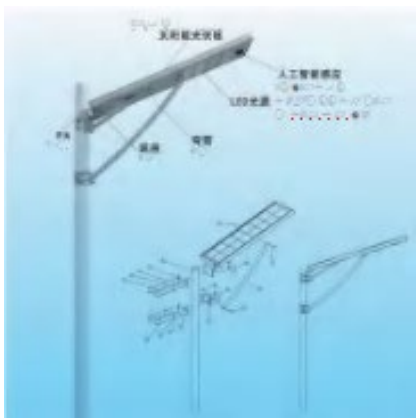
Product model	SED-LK-20W	SED-LK-30W	SED-LK-40W	SED-LK-50W
Power	20W	30W	40W	50W
Dimension	L787*W359*H45mm	L840*W368*H45mm	L1000*W368*H45mm	L1140*W368*H45mm
Battery	Lithium LifePO4 battery 12.8V,16AH	Lithium LiFePO4 battery 12.8V,18AH	Lithium LiFePO4 battery 12.8V,24AH	Lithium LiFePO4 battery 12.8V,30AH
LED QTY	30PCS SMD 3030 lumileds	60PCS SMD 3030 lumileds	60PCS SMD 3030 lumileds	90PCS SMD 3030 lumileds
Material	6063 aluminum+PC cover			
CCT	3000K,4000K,5000K,6000K			
LED	Original Lumileds SMD3030			
Light effect	170lm/w			
Controller	MPPT controller, up to 95% efficiency			
Way to control	Dusk to dawn +Time controll + motion sensor , Auto on/off			
PWM charging	Effective sunshine for 6 hours, lasting 3-7 rainy days			
Discharge time	Half power 40H, full power 20H			
Anti-surge level	>4KV			
Temperature	-30°C-+55°C			
Life time	>50 ,000Hours			
IP grade	IP65			
Certificate	CE、 ROHS			
Warranty	3 years			
Package	857*395*120mm/1PC G.W.: 9.6KG	900*400*135mm/1PC G.W.: 10.5KG	1060*400*135mm/1PC G.W.: 12.5KG	1200*400*135MM/1PC G . W . : 14.5KG

★ Safety instructions

1. Repairs, Adjustments, or Maintenance should be accomplished only by trained or authorized personnel;
2. Before installation, please select the direction of the light source according to the road body and the position of the light source to meet the maximum irradiation area of the road;
3. The solar lamps should be avoided close to the heat source, so as not to affect the life of the lamps;
4. LED luminaire must be installed in a safety location, no fire, no smoke.

★ Installation instructions

1. Working environment temperature -25°C ~ $+65^{\circ}\text{C}$;
2. The installation of solar street lights should be carried out in sunny days, because it cannot be quickly charged after installation in rainy days, and discharge is carried out at night, which affects the use effect;
3. In order to improve the battery life and the number of charging and discharging, engineer suggests the lamp should not be working on the first day after installation ;
4. The angle of the battery board should be adjusted to the most suitable place. Generally, a 45° angle is recommended. The installation location needs to avoid the shadow of obstacles such as houses, trees, etc., which will reduce the power generation efficiency of the solar panel and shorten its working time.



★ Installation guides

1. Choose the best lighting position and arrange the light poles. The light poles should be iron or steel poles with a height of 6-8m, a diameter of 50-90mm, and a wall thickness of $\geq 2.0\text{mm}$. Regularly clean the lamp housing and the radiator dust to maintain good heat dissipation;
2. Turn on the waterproof switch of the lamp, it will charge during the day and turn on automatically at night;
3. Put the lamp into the pole, use special tools to fasten the anti-theft screw, and make sure the lamp is stable.

★ Warranty & After-sales service

1. This item with full warranty 3 years, under normal conditions of use, quality assurance is based on the correct storage, installation, use and maintenance of the product;
2. Product damage caused by improper installation and use and violation of product operating procedures is not covered by the warranty;
3. For quality problems during the warranty period, our company will fix, replace (parts) or replace new products. Materials and labor costs will be appropriately charged beyond the warranty period.