

CHAMPION[®]

All In One Solar Street Light (AIOSSL)



Smart Integrated Solar Street Light

Champion Solar Light offers high brightness and versatility with an exceedingly longer duration of power backup, with no cable easy installation requirements. These lights can be used for new rural construction, manor, villa, courtyard, park, parking, bicycle and pedestrian walkways, children entertainment, farm and pier etc.

Features

- All in one, intelligent integrated design.
- Sun powered, 100% energy saving.
- Without any cable, easy to install and ship.
- Modern portable design can be installed anywhere needed.
- Compact volume can save freight and installation costs.
- Rust-proof, dust proof and water proof.

Technical Specifications (Model : AIOSSL - 4010)

Solar Panel Max Power	40 W (High Efficiency Multi Crystalline Silicon)
Solar Panel Life time	25 years
Battery Type	Lithium Battery - 14.8V, 12 / 15 AH (178 / 222VAH)
Battery Life Time	5 Years
LED Lamp (With Sensor) Max Power	10 W COB
LED Chip Brand	Cree / Bridgelux from Taiwan with High Brightness
LED Lumen (LM)	1100-1200 lm
LED Lamp Life Time	50000 Hours
LED Lamp Viewing Angle	120°
Charge Time by Sun	7 Hours
Normal Mode Time	More than 12 Hours
Power Saving Mode	More than 18 Hours
Working Temperature Range(°C)	-20°C ~ +60°C
Colour Temperature Range(k)	5000 - 6000k
Mounting Height Range (m)	4-5m
Protection Type	IP65
Product Size (mm)	550 x 610 x 80
Product Weight	9 kg
Packing Size (mm)	600 x 650 x 220
GW for Carton	10 kg

Benefits

Lower Operation Cost: It is less expensive to operate a solar powered street light than a traditional street light.

Compact Design: Our design and technology implementation have been driven by our desire to eliminate the need for bulky external battery boxes and external solar panels and achieve All in One Solar Powered Street Light.

Reduced Damage/Theft: By locating directly on the light fixture and placing the battery within, the risk of damage, theft or tampering is greatly reduced. There are no wires in the street pole, which means that the wire itself (which exists in regular street lights) can't be stolen and sold for scrap.

Ruggedized Technology: Require less maintenance and reduced parts replacement due to initially incorporating higher quality components.

Insect Swarms: The solar powered street light uses LED lighting which does not produce Infrared light, and therefore will not attract insects.

Improved Safety: The solar powered street light does not require connection to an electrical grid. It is safer and easier to install. In the event of a power outage, the light remains on. This reduces the chance of accidents and the constant light deters theft/vandalism.

Anywhere/anytime: The solar powered street light can be used in any location. Since no electrical grid is required, it can be installed on buildings, in parking lots, in remote locations simply by hanging it on a pole.

Faster Installation: Since you don't need to trench power lines to the pole, run wires up the pole, connect wires to an electrical grid, or hard wire the street light, the installation is significantly faster. In fact, it is so easy, it can be installed on the pole before it's erected, and thereby reducing a step completely from the process.

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