

Plug & Play Solar Power Street Light



SOLAR LED STREET LIGHT

PROGRAMMABLE

Smart solar controller built-in, power brightness and lighting time are adjustable via remote controller.

MICROWAVE SENSOR

More area can be covered than PIR sensor, longer distance and wider sensitive angle, more stable than PIR.

EXTERNAL SOLAR PANEL

Solar panel separated from light allows to increase power to meet the solar radiations in different latitude and longitude. Max 200W solar panel is allowed for 50W LED with 6200lm output.

CONNECTION

MC4 male & female plugs directly to 18V solar panel, quick and easy for connection. 2.5mm² power cord for less voltage drop.

COMPACT SYSTEM

Battery and solar controller, sensor are built-inside of light, only need to be connected to 18V system, NO more other operation, easy, simple and quick installation.



REMOTE
SETTING



MICROWAVE
SENSOR



MC4 PLUG IN
CONNECTION



BATTERY-IN
LIGHT HEAD



12HRS/DAY
150LM/W

Comparison:

1: Solar panel should be adjustable/rotatable.



The solar panel should be always face to sun properly in order to get the highest using efficiency as much as possible, All in one solar street light cannot be adjusted, for the solar panel is fixed. MACSUN SOLAR solar light is perfect to solve this problem. Easy for customers' installation.

2: Solar panel should big enough to generate power for daily use.



The solar panel of all in one solar street light is installed at backside of light. It causes very hard to enlarge the solar panel. So there is always not enough electricity generated for daily use. 2: MACSUN SOLAR solar lights separate solar panels, and it is free to use smaller or bigger solar panel according to project's actual situation, and customer can only buy solar light head only if there is solar panel in stock to save cost.

3: Battery Capacity should be Big Enough:



Big battery supports good lighting performance at night without darkness, MACSUN SOLAR solar light is using 50% big capacity than all in one solar light, and it supports continuously 100% power output for 10 hours per day. All-in-one only can work in energy saving mode.

4: Different Lighting Results with same power



All in one 20W only gives 800-900lm at night. It creates a not brightness on road. MACSUN SOLAR 20W, gives more than 2400lm continuously more than 10 hours freely.