



# ALO2 SOLAR LED STREET LIGHT



## Specifications

Efficiency	170Lm/W
LED	LUMILEDS 5050
Solar Panel	Monocrystalline
Battery	LiFePO4
Cycle Durability	2000 Cycles
Charging time	6~8 Hours
Discharging time	20~24 Hours
CCT	2800K~6500K
Beam Angle	II-S, II-M, III-M
IP	IP66
IK	IK09
Operating Temperature	-20°C ~ +60°C
Material	Aluminium (body) PC (cover)

## Features:

- All-in-one LED solar street light – LED, battery and solar panel.
- Integrated design, easy installation, each component can be easily replaced.
- The intelligent controller matches the PIR sensor to ensure effective lighting time of the lamp.
- Adopting high efficiency monocrystalline silicon and conversion rate of 19.8% solar panels, grade A1 excellent Lithium iron phosphate battery LiFePO4.
- Using special plug connector, color design fool-proofing, with anti-wrong connection function.
- Adopting adjustable mounted arm, can be adjusted in many angles, suitable for installation requirements of different type poles.
- Professional waterproof design, IP66
- Wind resistance rating 65m/s

## Applications:

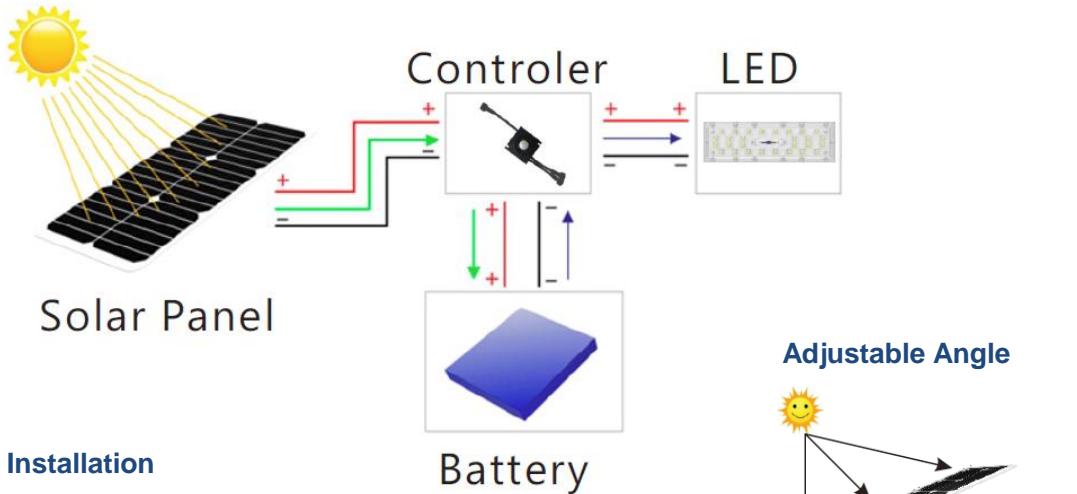
Ideal for parking area, highway & roadway, park & playground, industrial & commercial area, airport, and outdoor security lighting.

Model	Lumen	Install Height	Dimension	Solar Panel	Battery
VSL-ALO2-30W-5K	5100lm	4~5m	735 x 373 x 108mm	18V 40W	12.8V 18AH
VSL-ALO2-40W-7K	6800lm	4~5m	880 x 373 x 108mm	18V 50W	12.8V 24AH
VSL-ALO2-50W-9K	8500lm	6~7m	988 x 373 x 108mm	18V 60W	12.8V 33AH
VSL-ALO2-60W-10K	10000lm	7~8m	1352 x 373 x 108mm	18V 80W	12.8V 36AH
VSL-ALO2-80W-14K	13600lm	8m~10m	1482 x 373 x 108mm	18V 100W	12.8V 44AH

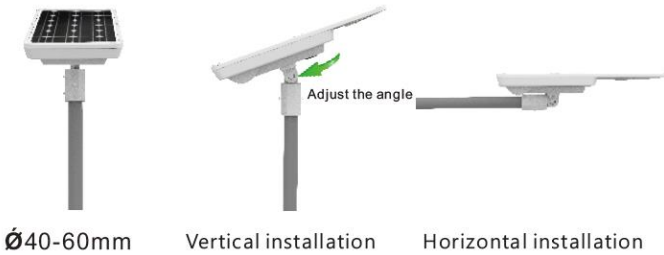


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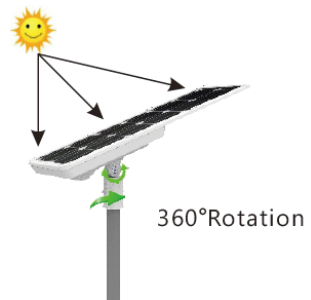
## Working Principle



## Installation



## Adjustable Angle



The installation angle can be adjusted to make the solar panels face the sun and improve the charging efficiency to the greatest extent.

## Sensor Control System

When the illumination is less than 10lux, it begins to work.	<b>Induction time</b>	<b>Somebody under the light</b>	<b>Nobody under the light</b>
	2H	100%	10%
	3H	50%	10%
	6H	20%	10%
	1H	40%	10%
Daylight	Automatic closing		

It can be set according to the requirements of customers.