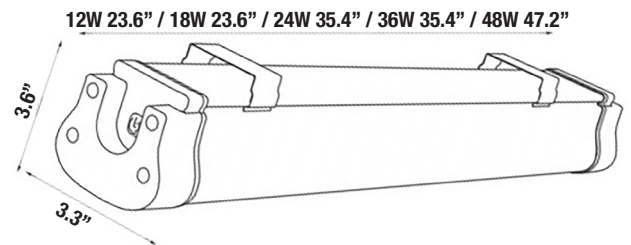


# Solar Carport Portable Light



Solar Carport / Portable light have many application from Gazebo, bus stop, detached carport, outdoor kiosks, camping tents, boats and any remote locations where grid is a challenge. Our Solar Carport / portable light comes with standard and flexible solar panel for curved surface installations.

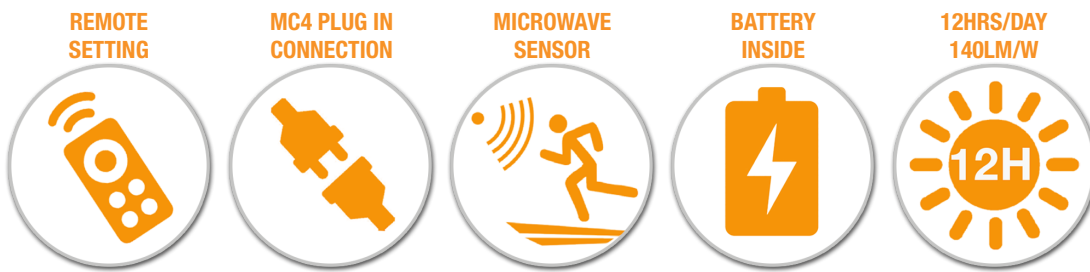
- Our carport / Portable light comes with standard and flexible solar panel for curved surface installations. Our carport light also has the ability for solar scalability enables adding panels for demanding weather conditions.
- Using High power LED light source with advanced design to make our carport a super bright luminous efficacy fixture of 130 lumens per watt.
- The variable lighting mode function is designed with the advanced microwave motion sensor.
- Built in battery, charge and discharge over 1000 times.
- The light automatically switches off on at dusk and switches off at dawn. 50% permanent lighting, when motion is detected power turns to 100%
- 2 Years warranty on all components.
- MC4 plug in connection.
- 130 Lumens per watt and IP68 rated



# Solar Carport Portable Light

## Specifications

Model #	SKU #	Power	PV Type	Solar Panel	Lithium Battery	Lumens	CCT	Controller	Beam Angle	IP Rating
AVS-SCL12W	786400	12W	MONO	40W	12AH	1500LM	5000K	PWM	240°	IP67
AVS-SCL18W	786401	18W	MONO	50W	16AH	2200LM	5000K	PWM	240°	IP67
AVS-SCL24W	786402	24W	MONO	60W	24AH	3000LM	5000K	MPPT	240°	IP67
AVS-SCL36W	786403	36W	MONO	80W	36AH	4200LM	5000K	MPPT	240°	IP67



## Advantages

- Remote setting
- Motion sensor
- Longer working times
- MC4 universal plug
- External positionable solar panel to maximize the solar radiation in different latitudes

## Features

- IP67 Waterproof Rated
- Viewing Angle: 240°
- Sensor Type: Microwave
- CCT Range: 3000K - 6500K
- Charge Time: 6 Hours
- Discharge Time: >24 Hours
- Working Temp: -4°F - 131°F
- 12Hrs at 50% & 100% when triggered



## Applications

- Gazebos & Back Yards
- Boats & Boathouses
- Carports and Garages
- Areas with no electrical supply
- Construction work sites
- Recreational Vehicles & Campers
- Warehouses
- Temporary Shelters
- Outdoor & Street Kiosks
- Camping tents
- Remote Locations
- Bus Stops, Rideshare, & Train Stations



# Solar Carport Portable Light

## Product Design and Benefits

The Solar Portable Light is an answer to a vast number of solar lighting applications in urban and rural living.

The Solar Portable Light has a built in Lithium battery, charge controller integrated with a high powered led source, and makes the light a unique weatherproof lighting fixture with the advantage of solar capabilities. The fool-proof MC4 plug in set up makes the light extremely easy for installation and portability. Built with high quality components, the Solar Portable Light can meet project requirements in many challenging environments.



## Easy Setup

- Stable & Versatile Mounting options
- MC4 plugs connect directly to solar panel
- Sleek appearance & easy to install



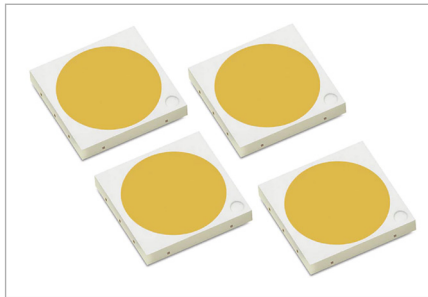
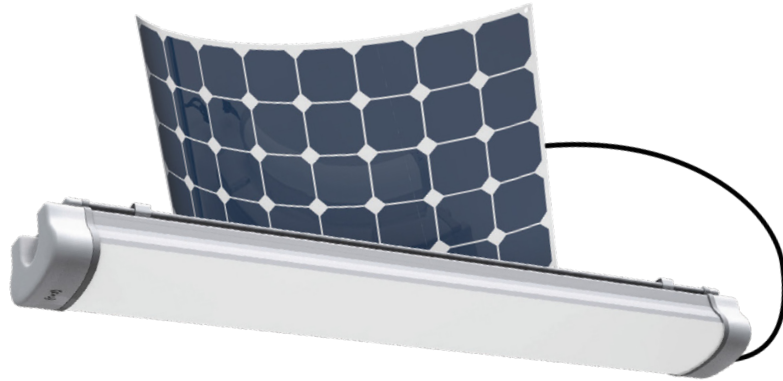
ELECTRICAL SPECIFICATIONS					
Model No.	AVS-SCL-12W	AVS-SCL-18W	AVS-SCL-24W	AVS-SCL-36W	AVS-SCL-48W
Wattage	12 W	18 W	24 W	36 W	48 W
Solar Panel Spec	40W / 18VDC	50W / 18VDC	60W / 18VDC	80W / 18VDC	100W / 18VDC
Cell of PV	MONO Cell				
Battery Capacity	144WH 11.1V	200WH 11.1V	288WH 11.1V	433WH 11.1V	577WH 11.1V
Controller Type	PWM	PWM	MPPT	MPPT	MPPT
Charging Time	6 Hours				
Discharging Time	>24 Hours				



# Solar Carport Portable Light

## Flexible Solar Panel

The Solar Portable Light comes with standard and flexible solar panels for curved surface installations. It also has the ability for solar scalability and enables adding panels for demanding weather conditions.



## Super Brightness

Using a high power LED light source with an advanced design makes the Solar Portable Light a super bright luminous fixture with 140 Lumens per Watt.

## Solar Controller



## Battery Pack



## Microwave Sensor



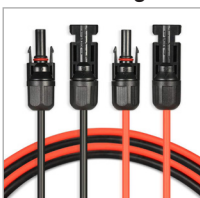
## Variable Lighting Modes

Constant power with full brightness, energy saving mode with dimming option and variable modes for changing brightness on time intervals can be set according to user requirements via the optional remote control.

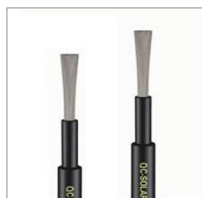
## Radar Sensor



## MC4 Plugs



## Solar Cable



## Correlated Color Temperature



## PHOTOMETRIC SPECIFICATIONS

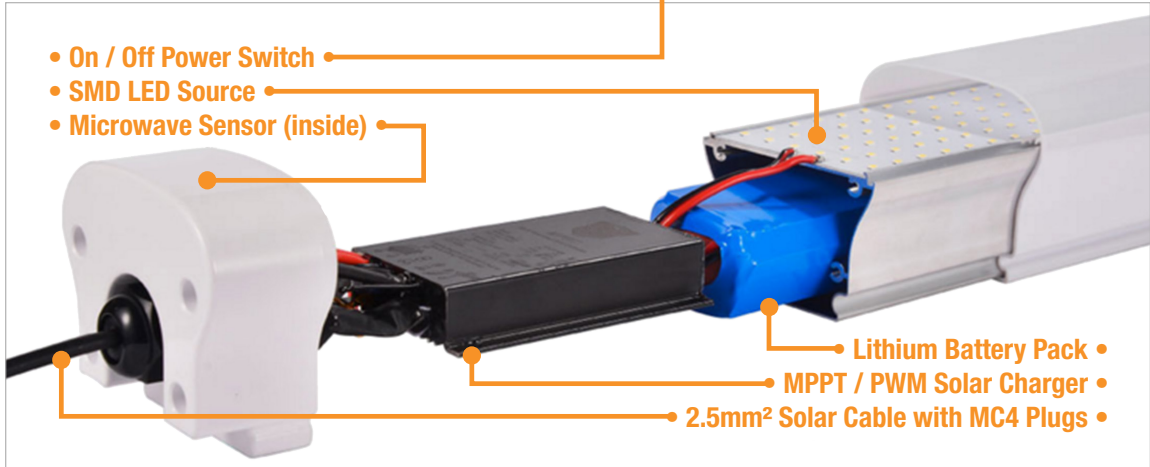
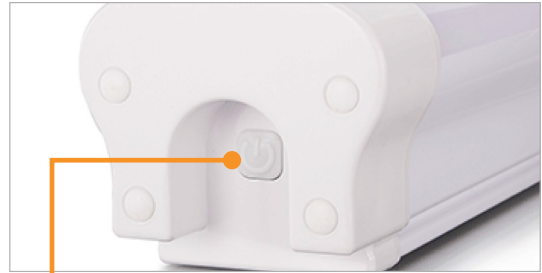
Model No.	AVS-SCL-12W	AVS-SCL-18W	AVS-SCL-24W	AVS-SCL-36W	AVS-SCL-48W
Wattage	12 W	18 W	24 W	36 W	48 W
LED No. & Type	144 pcs SMD2835	192 pcs SMD2835	288 pcs SMD2835	384 pcs SMD2835	576 pcs SMD2835
Luminous flux	1500 Lm	2200 Lm	3000 Lm	4200 Lm	5500 Lm
CCT	5000 K				



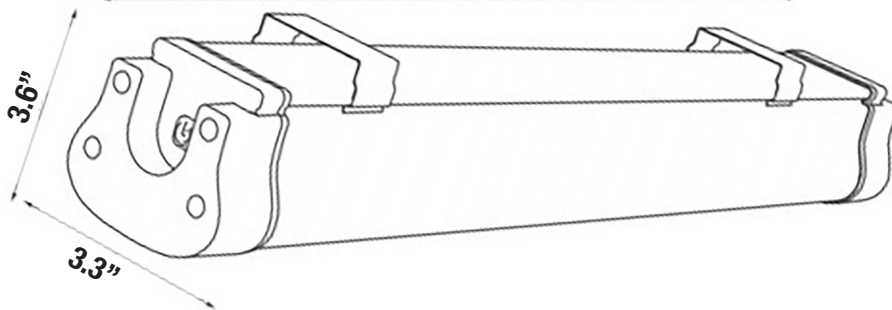
# Solar Carport Portable Light

## Product Structure

It has a complete ABS plastic external housing, with aluminium bars inside for efficient heat dissipation, and is perfectly designed for any outdoor application. Dust or moisture never goes inside.



12W 23.6" / 18W 23.6" / 24W 35.4" / 36W 35.4" / 48W 47.2"



### MECHANICAL SPECIFICATIONS

Model No.	AVS-SCL-12W	AVS-SCL-18W	AVS-SCL-24W	AVS-SCL-36W	AVS-SCL-48W
Wattage	12 W	18 W	24 W	36 W	48 W
Operating Temp	-4°F to 131°F				
IP Rating	IP67 Waterproof				
Solar Connection	MC4 male & female plugs				
Panel Size	25.1 x 16.5 x 1.1"	27.5 x 21 x 1.1"	25.1 x 23.2 x 1.1"	29.9 x 25.1 x 1.1"	39.3 x 25.1 x 1.1"
Dimensions	3.7 x 3.3 x 23.6"	3.7 x 3.3 x 23.6"	3.7 x 3.3 x 35.4"	3.7 x 3.3 x 35.4"	3.7 x 3.3 x 47.3"



# Solar Carport Portable Light

## Application



SOLAR PORTABLE LIGHTS



# Solar Carport Portable Light

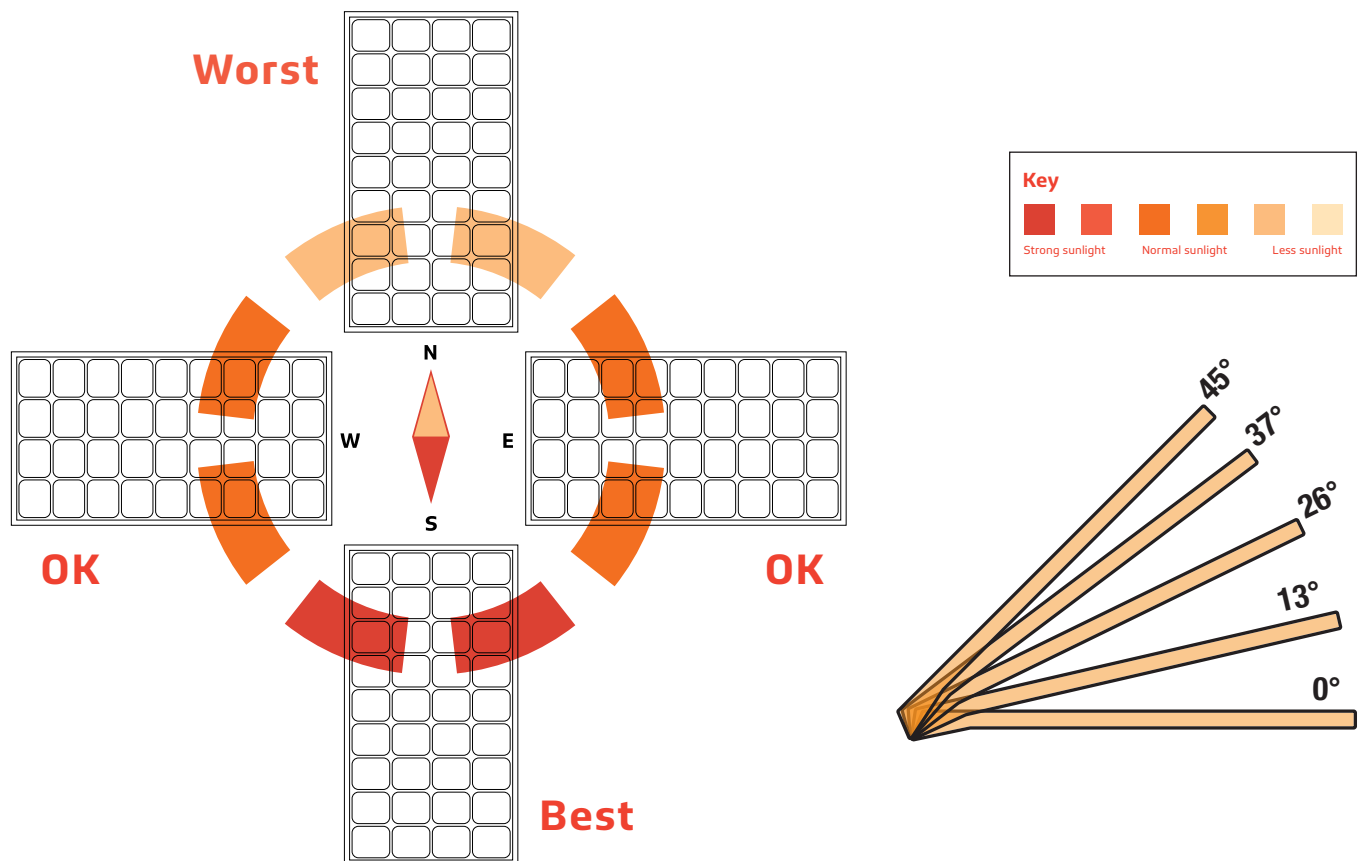
## Optimum Panel Orientation

The Solar charge in a battery pack won't last forever. The off-grid system relies on stored solar energy for autonomy. Angling your solar panels properly can boost the power intake of your solar lighting system. You want to angle your solar panels at a tilt based on the area's latitude.

### Tip for Maximum Power

You can increase the tilt 15° in the winter or decrease 15° in the summer. In this way you can get the maximum sunlight to recharge the battery.

## Best Facing Direction of Solar Panel

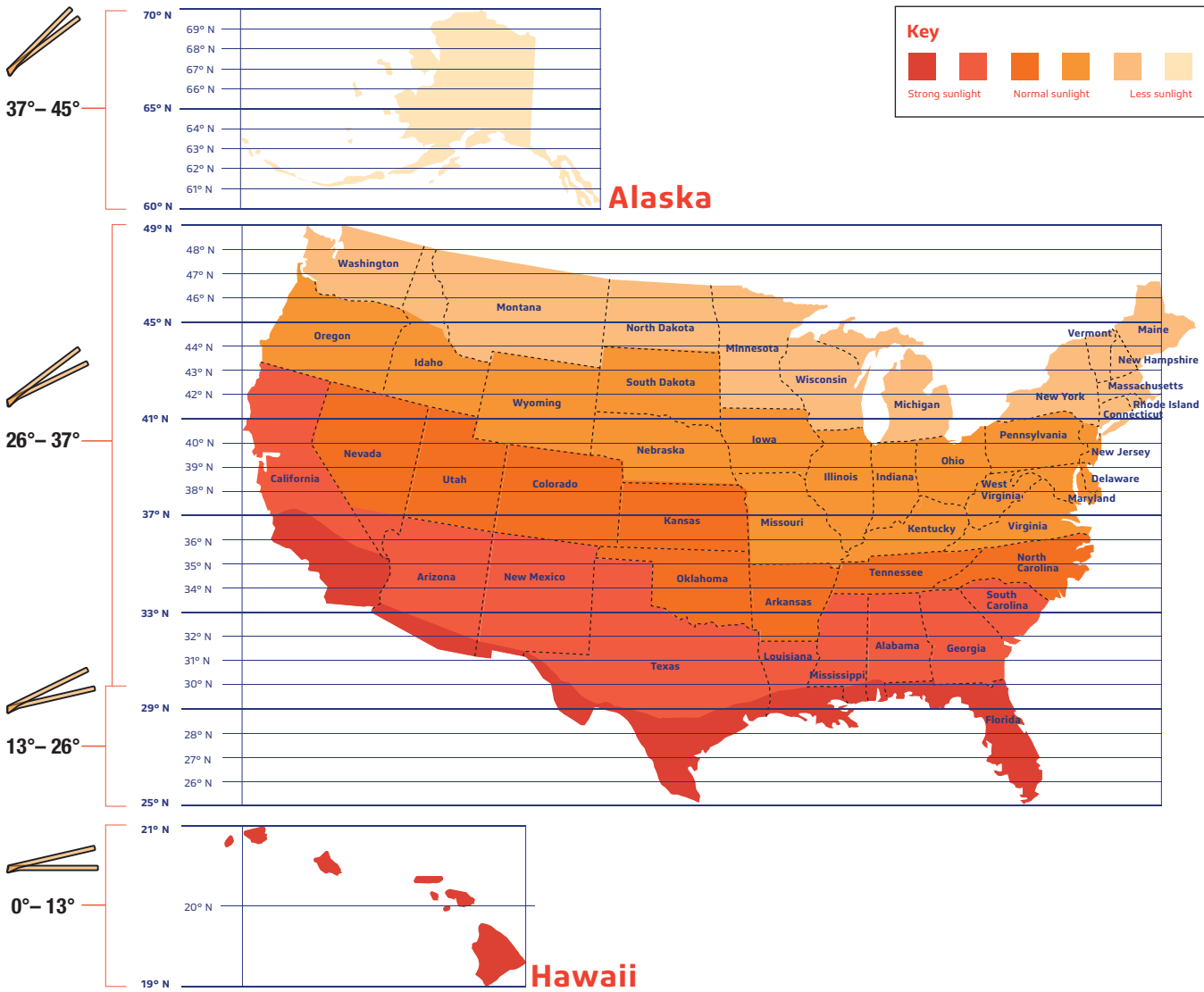


The area will dictate the installation of the fixtures and will sometimes prevent the lights from facing south. Panels facing West & East won't get as much light as Southern facing panels, but will still collect a good amount of sunlight. A North facing panel also works, but it will take longer to charge than any other direction. This would mean that the solar charge will be less optimal if installations are facing North.



# Solar Carport Portable Light

## Optimum Panel Orientation



SOLAR PORTABLE LIGHTS

