

VISTA™

Solar Area Street Light

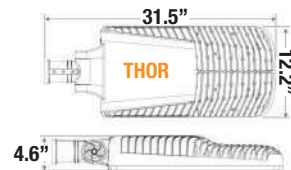
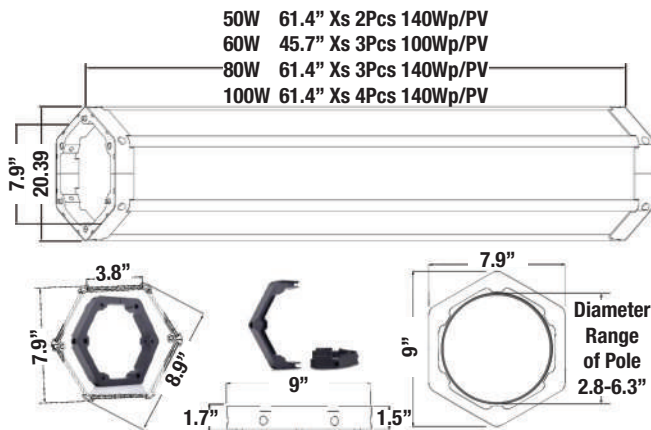


THOR LED HEAD

CYLINDER SOLAR PANELS FOR 360° FULL DAY CHARGING

Our Cylindrical Vista Solar LED Street Light is an advanced combination with latest technology. Solar cylinder Vista is based on modular conception which can be easily mounted to any kind of pole with diameter of 6.49 inch. It adopts mono crystalline solar panel with high efficiency up to 22% and more than 20 years life span.

- 360 Degree Full day charging, the hexagonal design ensures maximum exposure in the morning and afternoon, greatly increasing the amount of electricity.
- Available in 100w and 160W, total power can be increased or decreased as required. Each modular is in 18v, many modules can be connected in parallel to get higher power.
- Strong wing resistance, the force surface is reduced by more than 60% compared with the traditional solar panel. Each module and the pole are fixed by 12 screws, which can resist the 12-level typhoon.
- No snow accumulation since the solar panels are installed vertically, the snow does not accumulate on the panel when it is snowing.
- Smart MPPT controller automatically track the maximum power point according to the weather variation.
- Eco-friendly and safe LifePO4 battery and discharge over 1000 times has life span of more than 5 years.
- 130 lumen per watt and IP67 rated
- 3 Years limited warranty on all components

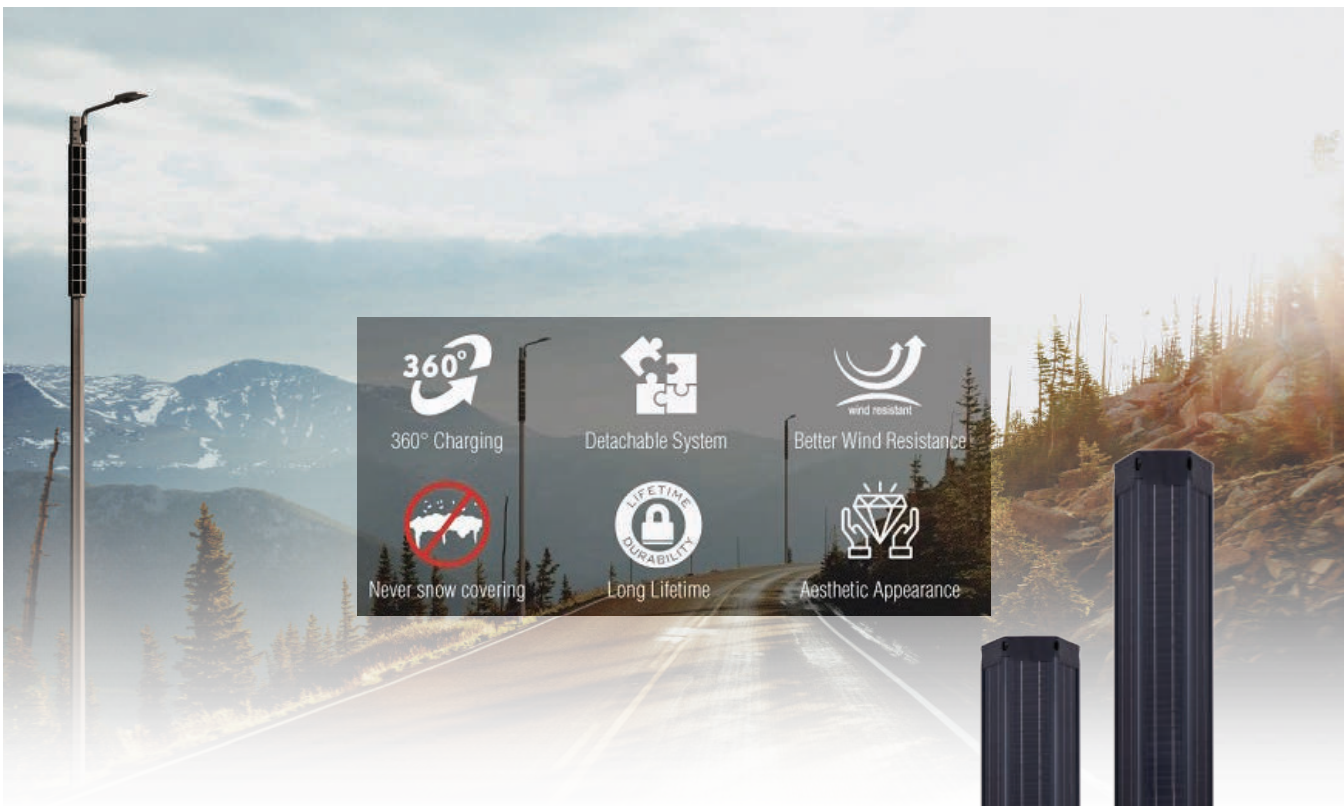


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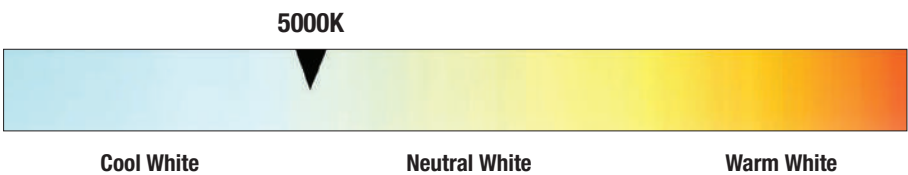
Solar Area Street Light

Specifications

Model #	SKU #	Power	PV Type	Solar Panel	Lithium Battery	Lumens	CCT	Charge Time (Hrs)	Beam Angle	Installation Height (Ft)
AVS-CYS-50W	786110	50W	MONO	280W	548WH	6200LM	5000K	5 H	140 X 70	20
AVS-CYS-60W	786109	60W	MONO	300W	840WH	7800LM	5000K	5 H	140 X 70	25
AVS-CYS-80W	786108-1	80W	MONO	420W	1080WH	10800LM	5000K	5 H	140 X 70	30
AVS-CYS-100W	786107-1	100W	MONO	560W	1440WH	12800LM	5000K	5 H	140 X 70	35



Correlated Color Temperature



100W



140W

SOLAR AREA LIGHT



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Solar Cylinder Modules

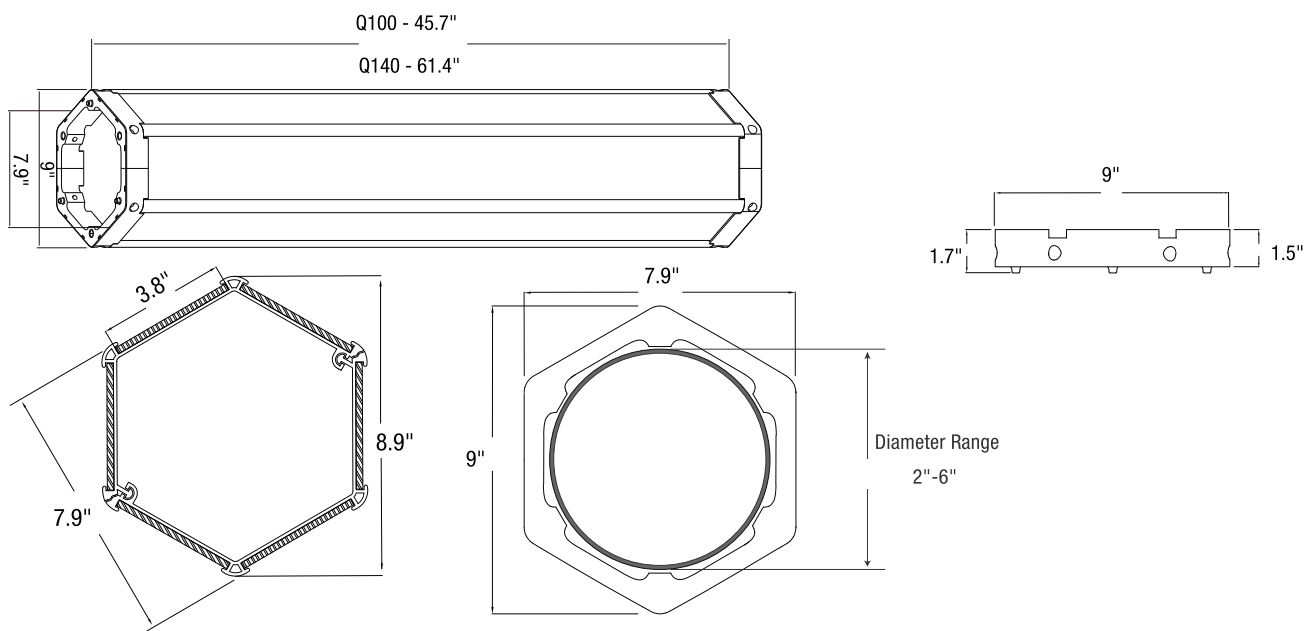
Model No.	Q100	Q140
Maximum Power	100W	140W
Vmp	18V / 36V	18V / 36V
Imp	5.6A / 2.8A	7.8A / 3.9A
Carton Dimensions	46.5 x 11.02 x 11.02 in	58.3 x 11.02 x 11.02 in
Frame Material	Aluminum Alloy	Aluminum Alloy
Solar Cell Efficiency	>20.5%	>20.5%
Cable Model	1in2 with MC4	1in2 with MC4
Operating Temperature	-40°F to 185°	-40°F to 185°F
Warranty	5 years	5 years
Lifespan	25 years	25 years
Net Weight	36.82 lbs	47.84 lbs



100W 140W



Product Dimensions



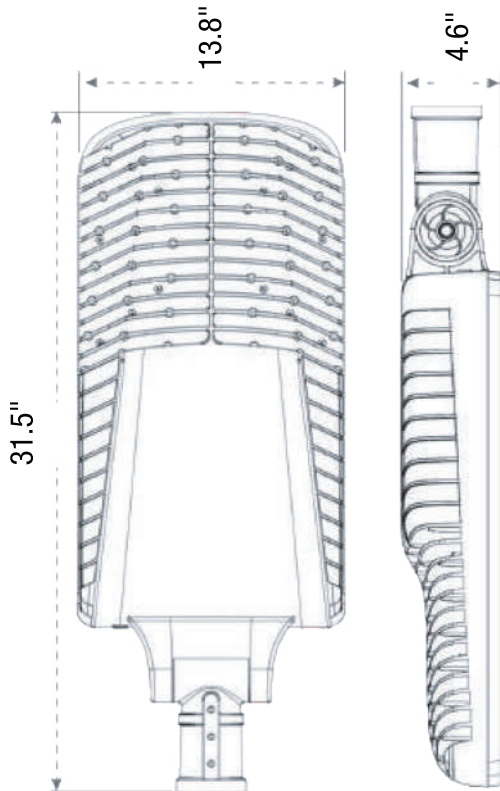
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Solar Area Street Light

Solar Cylinder Street Light - THOR Series				
Model No.	T6	T8	T10	T12
IP Rating	IP67	IP67	IP67	IP67
Power Max	60W	80W	100W	120W
Efficiency Max	>7,800lm	>10,800lm	>12,800lm	>15,800lm
CCT Range	5000K	5000K	5000K	5000K
Beam Angle	145° * 83°	145° * 83°	145° * 83°	145° * 83°
CRI	>81	>81	>81	>81
Charge Time	5 Hours	5 Hours	5 Hours	5 Hours
Discharge Time	>24 Hours	>24 Hours	>24 Hours	>24 Hours
Working Temperature	-4°F-149°F	-4°F-149°F	-4°F-149°F	-4°F-149°F
Solar Cylinder	>300W 36V	>420W 36V	>560W 36V	>560W 36V
Net Weight	30.54 lbs	35.71 lbs	40.34 lbs	44.86 lbs
Light Fixture Size	31.50 x 12.20 x 4.57 in	31.50 x 12.20 x 4.57 in	31.50 x 12.20 x 4.57 in	31.50 x 12.20 x 4.57 in



Product Dimensions



Internal Structure



SOLAR AREA LIGHT



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Solar Area Street Light

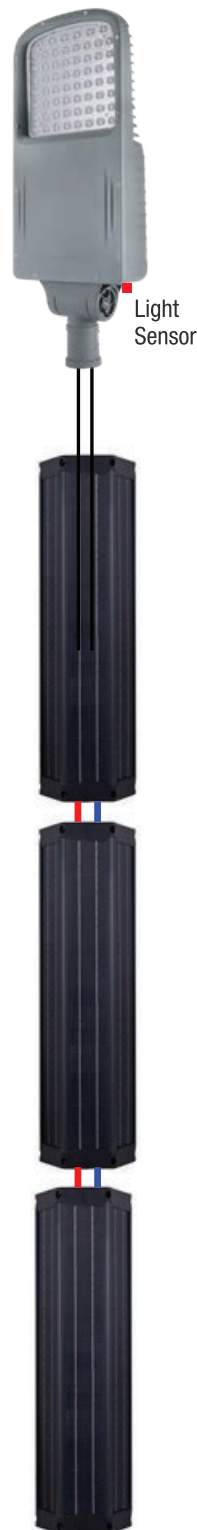
Installation

Cylindrical solar LED street post is an advanced combination with latest technology. It adopts the cylindrical solar modules as a revolutionary design in 2019.

Solar cylinder is based on modular conception which is can be easily mounted to any kind of pole within diameter 165mm, It adopts mono-crystalline solar panel with high efficiency up to 21.2% and more than 20 years lifetime. It has a very aesthetically appearance and has a much better wind resistance than regular solar panel.

The whole post only includes two functional components including solar cylinder and solar light head which can be connected directly by MC4 connectors. The battery and solar controller are built inside of light fixture. The power of lights covers from 20W to 120W which can be installed on poles from 5M to 14M.

Solar cylinder light post is a premium and advanced product. It is designed specially for these projects concerning a lot on aesthetically appearance as well as high luminous, durable quality system and longtime lifetime.



WIRING DIAGRAM
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VISTA™ Solar Area Street Light

Installation

Required Materials and Tools



Remark:

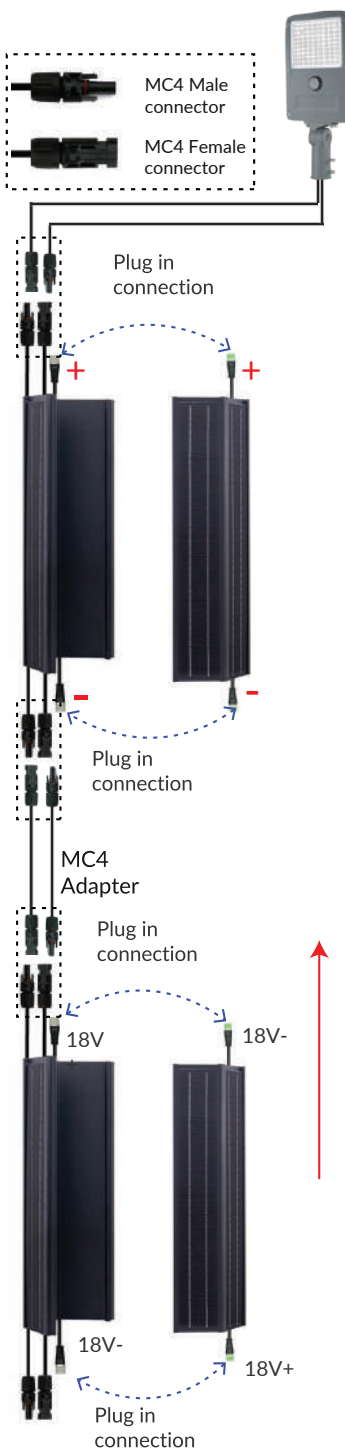
- 1 : All MC4 **male** connector (including master and sub modules) are **positive 18/36V+**. And all MC4 **female** connector (including master and sub modules) are **negative 18/36V-**.
- 2 : The type of MC4 connectors at two sides of **MASTER MODULE** are exactly same. That is to say: you can use either of two sides to connect to the all in two solar light head or other device in the same way as using regular solar panel.
- 3 : MC4 adapters must be used between two solar cylinders.
- 4 : One mini male connector of master moduler is **positive 18/36V+**. The other side is **negative 18/36V-**. **THEN** accordingly : One mini female connector of sub moduler is **Negative 18/36V-**. And the other mini female connector on the other side is **positive 18/36V+**. (The polarity mini connectors between sub module and master module are contrary.)
- 5 : **ALL** mini male and female connectors between sub module and master module should be connected to complete the whole system connection.

Required Tools



VERY IMPORTANT :

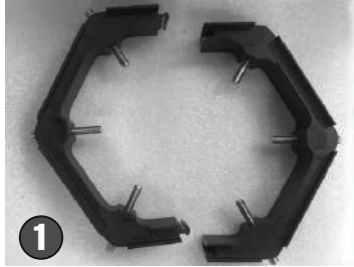
DO NOT CONNECT the MC4 male and female connector of the **LAST MODULE**. Just leave them there or cut the connectors off.



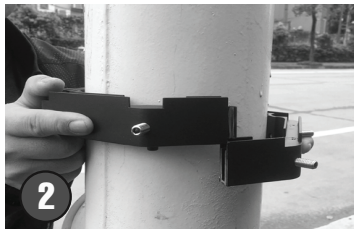
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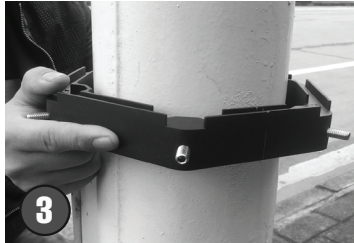
Installation



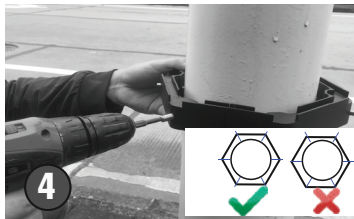
1 Use the screw driver to fix the screws into the modular bracket at the proper position according to the diameter of the part of the pole where the modular brackets to be mounted.



2 Buckle the modular brackets on the pole, and Lock the two parts as one unit, make sure two parts are at same level (**VERY IMPORTANT**).



3 Connect the two parts of brackets and make the junction area flat and without any tilt. This step is very important. or the module will be tilted.



4 Fasten the 6 pieces of screws with driver, make sure the pole is in the exact middle of the brackets.



5 Make sure the brackets are mounted very tight and strong enough, **it can hold 50KG.**



6 Put the first master module on the brackets in the right position.



7 With another person's help, Install the sub module from the top of master module, and slide down the sub module carefully, but hold it when sub module reaches the brackets with 20cm distance.



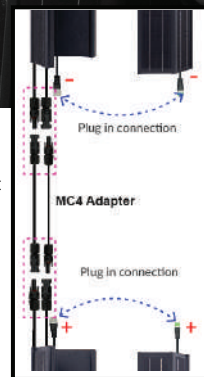
8 Connect the male and female mini connectors between sub module and master module.



9 After connection of the cables of last step, put down the sub module carefully, and put the two modules on the brackets at the best position.



10 Take out the two MC4 cables from the master module carefully and connect the MC4 adapter to the MC4 connectors. Please check the wiring diagram for details.



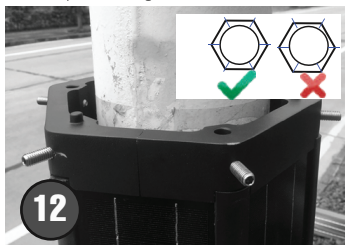
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Solar Area Street Light

Installation



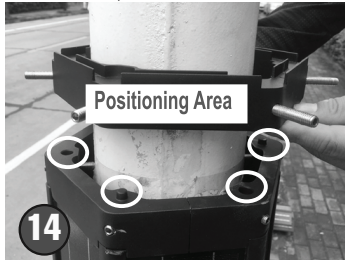
11 Put **second** brackets over the module in opposite direction to the bottom brackets. Install it in the same way as installing the first brackets.



12 Adjust the position of the brackets at the best position. Similarly, let the pole in the middle of the hexagon brackets.



13 Fasten the 6 pieces screws with driver carefully.



14 Put the third brackets over the second brackets, and take out the two MC4 cables of first modules through the third brackets.

NOTE :

Let the two brackets fit snugly through the three positioning holes.



15 Make sure the two MC4 cables are outside through the third brackets. (Ready to install the next modules.)



16 Put the second master module on the bracket in the same way as 6 mentioned.



17 Connect the first module to the second module by MC4 plugs directly. Plug in, easy operation.



18 Connect the MC4 connectors and put it back inside of the module tube. (It will be invisible from outside.)



19 Put the second sub module on the bracket in the same way as mentioned in 7. Repeat steps 8, 9, and 10 to complete the pending installation. Finally connect the last two MC4 connectors on top of pole to solar light head directly.



20 SOLAR CYLINDER INSTALLATION COMPLETE

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Application



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