

OHMTEK

VERTICAL HEXAGON WRAP SOLAR PANEL

Smart Solar Solutions for Modern Infrastructure



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Application

VERTICAL SOLAR MODULE

OHMTEK


SolarWrap
Vertical Solar Module



A

Street Light



B

Monitoring system



C

Garden Light



D

Road signal lights



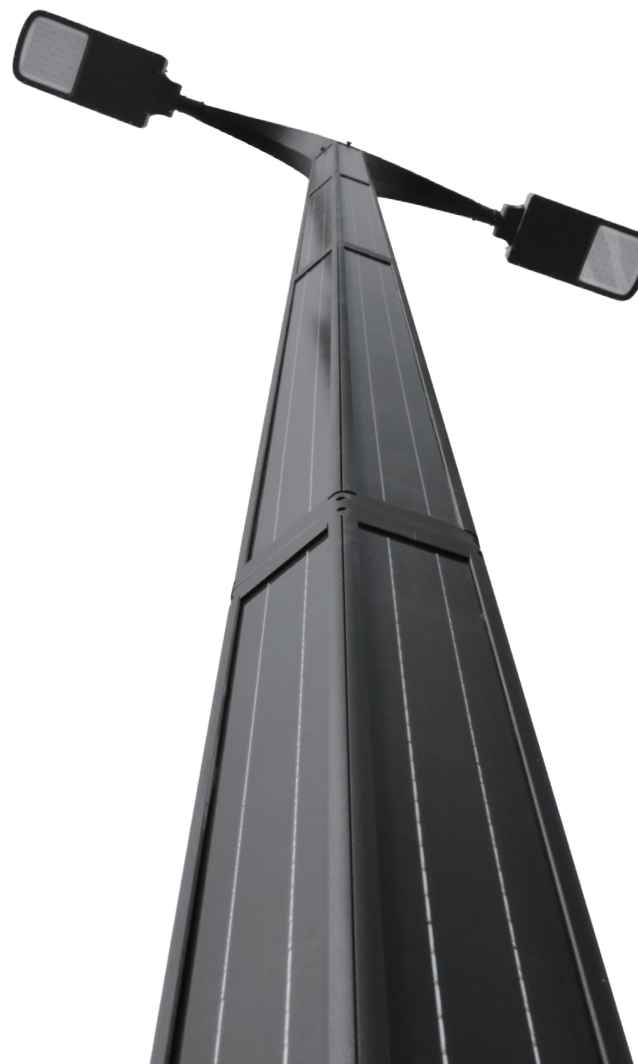
E

Wireless broadcasting
system



F

Customized lighting
fixtures





HOW TO INSTALL



Use the screw driver to adjust the screws to a proper position according to the diameter of the pole.



Buckle the modular brackets on the pole, and Lock the two parts as one unit, make sure bracket is at horizontal height. (VERY IMPORTANT)



Connect the two parts of bracket and make the junction area flat and without any tilt. This step is very important. otherwise the solar module will be inclined



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



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



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



With another person's help, slide the sub module along the track of master-module and hold it before it reaches the bottom about 20cm.



Connect the sub and master module by 2 pairs of red cable MC4 connectors at the bottom and top place.



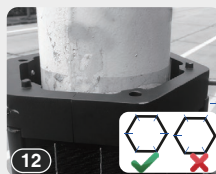
Put down the sub module to the bracket and adjust its position properly to match the bracket.



Take out the two MC4 cables from the master module carefully, Hold it and do not let it fall into the modules.



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



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



Fasten the 6 pieces screws with drive carefully.



Put the third bracket on the top bracket, and take out the two MC4 cables of the first module through the third brackets.



Connect the 2pcs of MC4 adapter cable to the MC4 connectors of the first module.



Put the second master module on the bracket in the same way as Step 6 shows



Connect the second master module to the first module via the MC4 adapters (30cm)



Make sure all the PLUG-in connections are very tight and strong, well connected



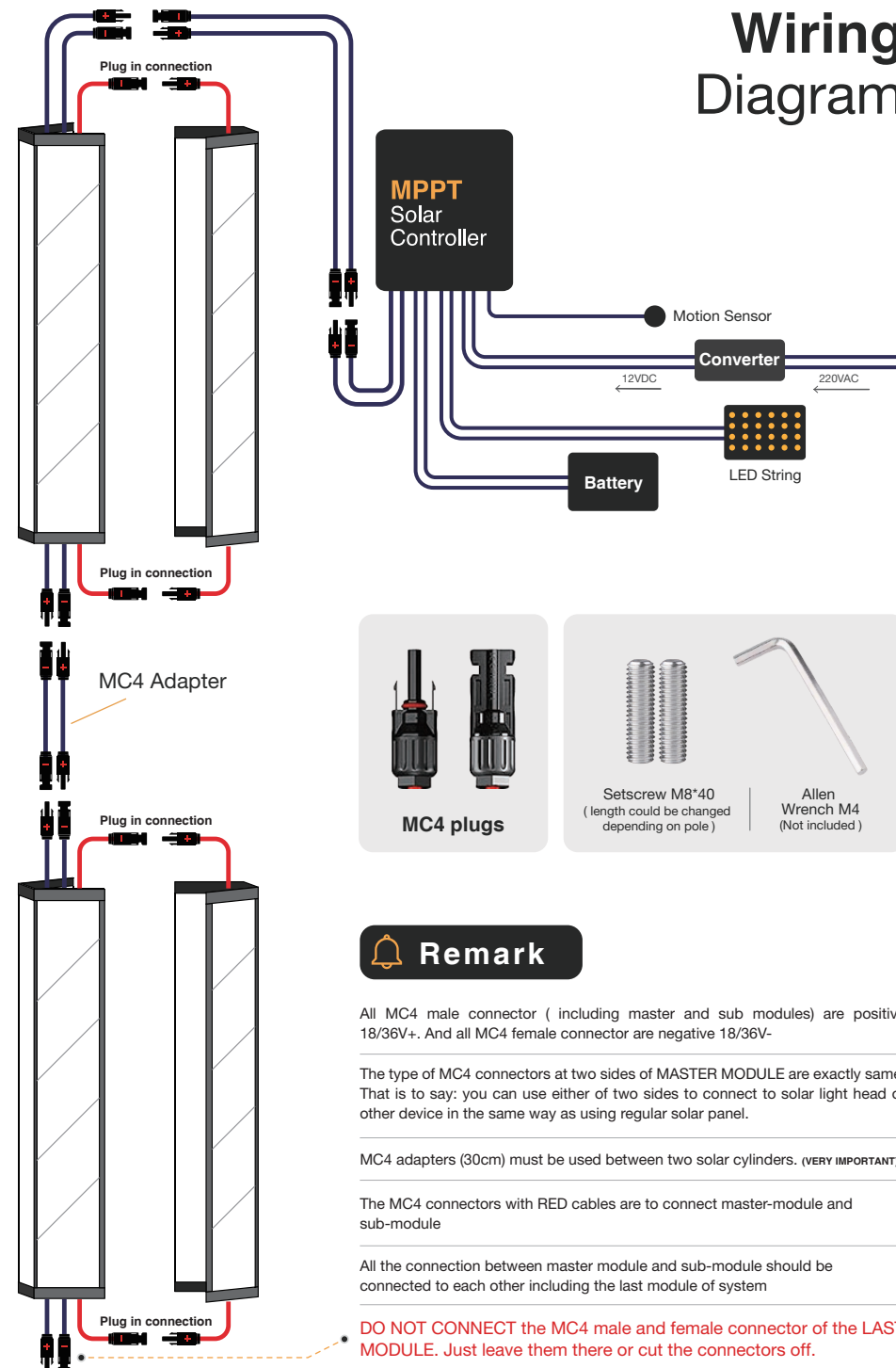
install the sub-module of second module in same way as step.



Installation completed

○ MC4 Adapter MUST BE ADOPTED between two up and down modules.

Wiring Diagram



MC4 plugs



Setscrew M8*40
(length could be changed depending on pole)

Allen Wrench M4
(Not included)

Remark

All MC4 male connector (including master and sub modules) are positive 18/36V+. And all MC4 female connector are negative 18/36V-

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 solar light head or other device in the same way as using regular solar panel.

MC4 adapters (30cm) must be used between two solar cylinders. (VERY IMPORTANT)

The MC4 connectors with RED cables are to connect master-module and sub-module

All the connection between master module and sub-module should be connected to each other including the last module of system

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