GMI series installation and use tutorial

PREFACE: This product has been carefully designed and manufactured to meet your needs and provide superior performance. To ensure that you are able to take full advantage of all its features, this manual will guide you step-by-step through all aspects of the product, including installation, operation, maintenance and troubleshooting.

I. Unpacking and checking:

After receiving the package, please check whether the package is complete.
1.Grid-tie inverter*1
2.AC cable*1

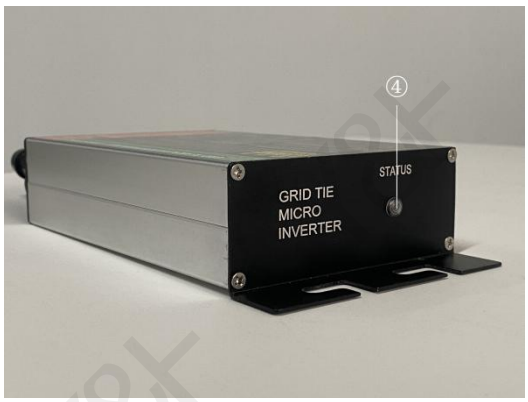
Packing List





II. Port Introduction:





①DC input port, positive

②DC input port, negative

③AC output

④Working indicator

III. Solar panel usage parameters:

model	120W	150W	180W
Operating Voltage Range	10.8V-30V		
Max. DC Input Voltage	30V		
starting voltage	15V		
Recommended solar panel voltage	Operating voltage Vmp16-21V;Open circuit voltage Voc20-24V		
Maximum panel input power	120W	150W	180W
Rated AC Voltage	120V/230V		

model	300W	350W	500W	600W	700W
Operating Voltage Range	18V-50V				
Max. DC Input Voltage	50V				
starting voltage	24V				
Recommended solar panel voltage	Operating voltage Vmp30-39V;Open circuit voltage Voc38-50V				
Maximum panel input power	300W	350W	500W	600W	700W
Rated AC Voltage	120V/230V				

IV. Connections for use:

1：AC cable wiring method①.

Built-in ac cable, you need to buy the plug by yourself. When connecting the cable, you need to connect to the plug according to L,N,G.



①

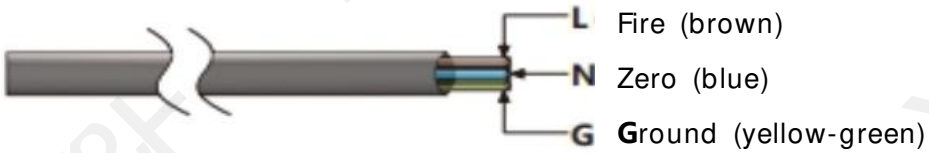


②



③

AC Cable Description



2:AC cable wiring method②.

Purchase 5MAC cable, no need to DIY. direct use



3. Solar panel connection:

Step 1: Connect the solar panel (Fig. 1), which must be firmly connected;
Note: some customers extend the panel cable, easy to reverse the positive and negative poles.

Step 2: Inverter AC output connected to the home socket, open the socket switch to ensure that the home power grid is a normal energized state; (Figure 2)

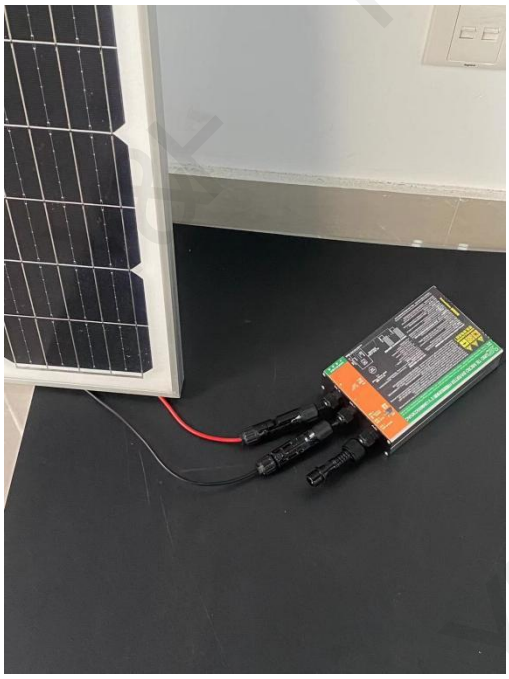


Fig. 1

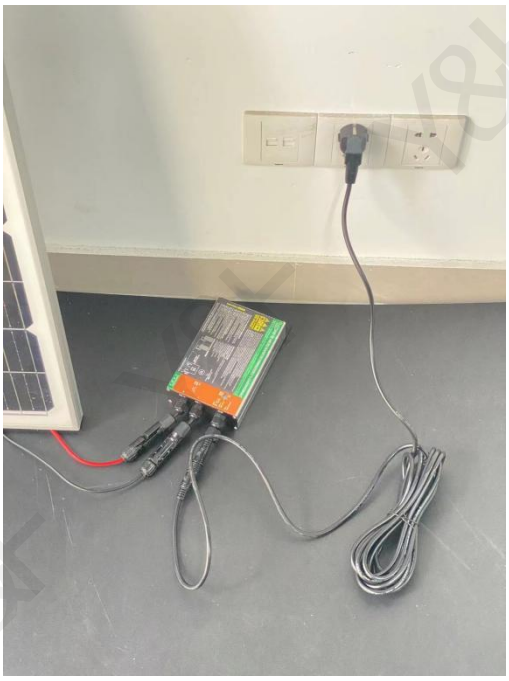


Fig. 2

Notes:

1. Unable to use during power outage!
2. The power of the panel cannot exceed the power of the inverter, and the panel voltage must be within the specified voltage range of the inverter
3. When the panels are connected in series, the power and VOC of the panels will be added up; When panels are connected in parallel, VOCs are not added together;

5、 Common problems and after-sales service

1: Inverter heating
This is a normal phenomenon. All electronic devices generate heat during operation. The inverter uses aluminum alloy material. Metals can better transfer heat. The inverter also has over temperature protection, if the temperature is very high. So the inverter will automatically reduce the working output efficiency. Or stop working. Until it cools down, restart. It is recommended to install the inverter in a ventilated, dry, and cool place. (If the local temperature is too high, you can install an additional small fan to cool the inverter)

2: Inverter not working
Please test whether the input voltage of the panel is within the specified range of the inverter, The inverter AC output port is connected to a home socket, and the socket is powered on

3. After you have completed the above self-test. Please contact merchant customer support. In order to solve the problem faster, you can provide us with the following information so that the technician can analyze the judgment

① How many solar panels do you use? What is the wattage of the solar panel?
② What is the open circuit voltage of the solar panel in volts? (Voc)
③ How to connect solar panels in series or parallel?
④ What is the state of LED? Not lit up? Red light?

4、How to record a video? (Suggestion))

① Please connect all wiring. DC and AC terminals.
② Test the DC input voltage and take photos. Please test the AC voltage and take a photo.
③ You can also connect the AC power cord to a home socket. Then connect other loads to the home socket, such as a fan, and start it. We need to determine if the power grid of the socket you are connected to is normal.
④ Please record the LED status.

5: After identifying the problem, we will assess the extent of the damage

① Send you accessories and replacement tutorials
② Send motherboard
③ Return or other solutions

VI: After-sales contact

Please feel free to communicate with us anytime if you have any problems during the use. In order to save communication time, we suggest you contact us directly through WhatsApp. We can contact you in time with any new reply.