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Quick Installation Manual

Portable alternating current power supply

ECHO-1

ECHO-2



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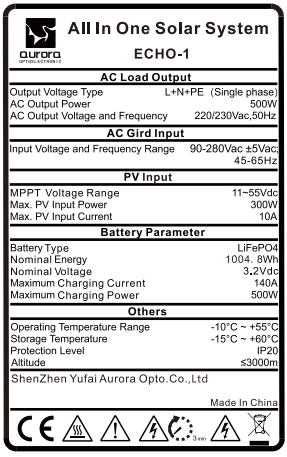
www.aurorabattery.com

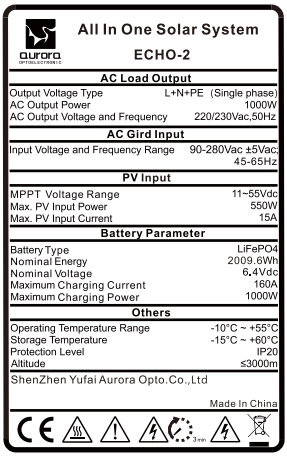
1. Safety Precautions

1. Do not expose the power supply to temperature above 50? or heat sources.
2. Do not expose the power supply to moisture, corrosive gases or liquids, such as bathroom.
3. Do not expose the power supply to direct sunlight for extended periods of time.
4. Place power supply in safe place away from children and animals.
5. Terminals shall not touch conductive objects such as wires.
6. Do not dispose the power supply in fire , which may cause an explosion.
7. PACK shall not come in contact with liquids.
8. Do not touch the metal terminals inside the upper port of the power supply with your hands.

2. Warning Labels

Symbols	Description
	Do not dispose in trash
	Be careful of high temperatures
	Certification in European union area
	Electric shock hazard
	Warning
	Wait for three minutes after power-off before touching

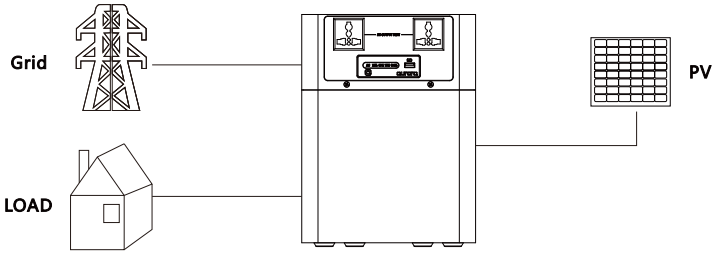




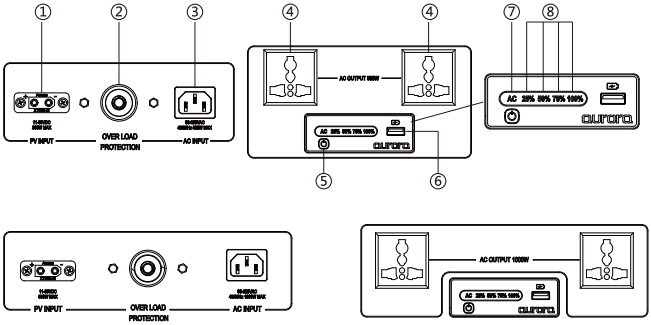
3. Packing list

No.	Description	Application
1	AC in wire	AC charging
2	PV in wire	PV charging
3	Quick Installation Manual	
4	Warranty card	
5	Certification	

4. Basic System Architecture



5. Product Overview

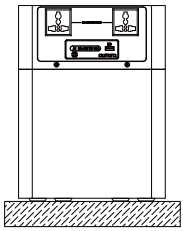


① : PV input
② : AC input breaker
③ : AC input
④ : AC output
⑤ : AC load switch
⑥ : USB
⑦ : AC load switch light and ALM light
⑧ : SOC light

6. Installation

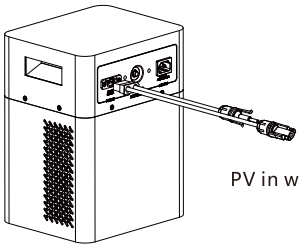
Step1.

Remove the packaging, unplug the power supply, and gently place it on the ground.

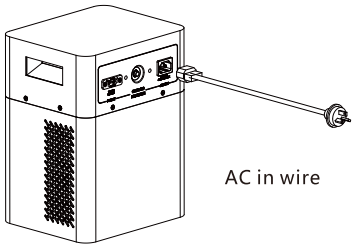


Step2.

Connect to the mains power and PV, and charge the power supply.



PV in wire(MC4)



AC in wire

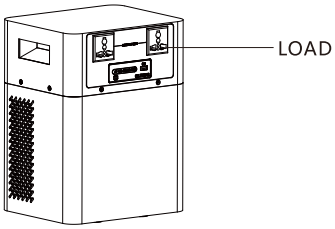
Notice:

Pay attention to the specifications of the solar panels and ensure that the parameters of the solar panels are within the required range.

AC in wire: According to customer requirements, provide the necessary communication cables (European standard or American standard) as needed.

Step3.

Connect the load and it can be used.



7. Operating Mode Description

1. The load switch turned off, AC and PV are not connected, and the power supply will automatically shut down.

2. The load switch is turned off, the power is in the off state. Once AC and PV are connected, the power will automatically turn on and start charging. Once fully charged, it will automatically stop the standby mode.

3. AC and PV can charge and supply power simultaneously. They will first consume solar energy. If solar energy is insufficient, AC will make up the difference. When neither AC nor solar energy is sufficient, the battery will provide the power.

4. The power supply runs out of electricity and the device automatically shuts down.

5. AC and PV are not connected. The device will automatically shut down when the output is overloaded.

8. LED Indicator

<table>
<tr><th colspan="3">LED Indicator</th><th>Messages</th></tr>
<tr><td rowspan="3">AC</td><td rowspan="3">Yellow</td><td>Solid On</td><td>Running and outputting normally</td></tr>
<tr><td>Off</td><td>Output turned off</td></tr>
<tr><td>Flashing</td><td>Fault</td></tr>
<tr><td>25%</td><td>Green</td><td>Solid On</td><td>0~25% SOC</td></tr>
<tr><td>50%</td><td>Green</td><td>Solid On</td><td>25%~50% SOC</td></tr>
<tr><td>75%</td><td>Green</td><td>Solid On</td><td>50%~75% SOC</td></tr>
<tr><td>100%</td><td>Green</td><td>Solid On</td><td>75%~100% SOC</td></tr>
<tr><td>25%</td><td>Green</td><td rowspan="4">Flashing</td><td rowspan="4">Charging</td></tr>
<tr><td>50%</td><td>Green</td></tr>
<tr><td>75%</td><td>Green</td></tr>
<tr><td>100%</td><td>Green</td></tr>
<tr><td>25%</td><td>Green</td><td>Flashing</td><td rowspan="4">The power is about to be turned off.</td></tr>
<tr><td>50%</td><td>Green</td><td rowspan="3">Off</td></tr>
<tr><td>75%</td><td>Green</td></tr>
<tr><td>100%</td><td>Green</td></tr>
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