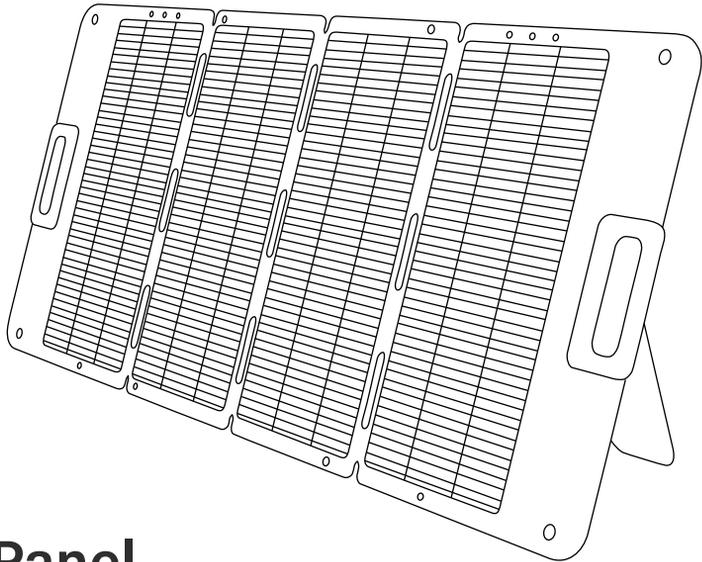


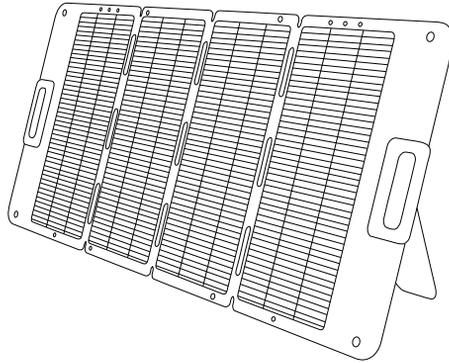
SolarEpoch 100



Solar Panel

USER MANUAL

What's in the Box



Solar Panel



1:DC7909 2:XT60 3:Anderson port 4:M16

IP68 Solar Charging Cable

(Applied to DC7909,Anderson, Aviation M16, and XT60)



User Manual

Technical Specifications

Model	SolarEpoch 100
Peak Power	100W
Solar Cell Lamination	ETFE
Power Voltage	18.97V
Power Current	5.27A
Open Circuit Voltage	23.98V
Short Circuit Current	5.5A
Cell Type	Monocrystalline Silicon
Cell Efficiency	23%
Connector Type	IP68 Solar Connectors

Technical Specifications

Net Weight	9.26 lbs(4.2kg)
Folding Number	4
Dimensions (Folded)	21.14x14.88x0.79 inch (537x378x20 mm)
Dimensions (Unfolded)	53.39x21.14x0.08 inch (1356x537x2 mm)
Waterproof Rating	IP67
Operating Temperature	-4 ~ 140 °F (-20 ~ 60°C)
Best Working Temperature	77°F (25°C)
Warranty	24 Months

How It Works

- 1.** Open and unfold the solar panel.
- 2.** Adjust the solar panel on the kickstands.
- 3.** Connect the IP68 solar connectors to the corresponding input port on the power station - DC7909, Anderson, Aviation M16, and XT60 port.
- 4.** In order to increase the efficiency of the solar panel, position it perpendicular to sunlight, and make sure there are no obstructions between the solar panel and sunlight.

Safety Guidelines

As the efficiency of the solar panel depends upon light intensity and the tilt angle, the charging power of the panel may be affected by several factors such as weather conditions, seasonal changes, and location. The installation and connection of this product should be carried out strictly in accordance with the instructions in the User Manual.

- Only the main body of the solar panel is waterproof. The junction box and connection points should not be immersed in water or any other liquid.
- The solar panel must not come into contact with highly corrosive substances, or be immersed in corrosive liquids.
- Do not use sharp objects on the surface of the panel, and do not knock or impact the product.
- Do not apply pressure to the panel or allow the panel to be dropped on any of its corners, sides or faces. Such actions may result in damage to the solar panel.
- The panel must not be knocked, exposed to heavy pressure, or bent during transport, rotation or installation. Please keep it in a vertical position when it is being moved or stored.
- Do not use the solar panel as a children's toy.
- Do not charge automotive battery directly.
- When storing the panel, always ensure that the positive and negative terminals of the junction box are not exposed to sunlight.
- To avoid the risk of injury, this product and its junction box must only be opened or disassembled by qualified personnel. Do not disassemble the solar panel by yourself in any way.
- Unwanted solar panel must be disposed of in accordance with the local legal requirements.

FAQ

Q1: What kind of battery can be charged by this solar panel?

- A: 1) Lithium batteries
2) Sealed lead-acid batteries
3) Colloidal lead-acid batteries
4) Open lead-acid batteries

Tip: To confirm whether the solar panel's compatibility with 3rd-party devices, please consult with the seller.

Q2: Does the solar panel produce power when the sun isn't shining?

A: Yes, but please keep in mind that the amount of power the solar energy system can generate depends upon sunlight. The solar panels will produce slightly less energy when the weather is cloudy, and no energy at night.

Q3: Can the solar panel work in winter?

A: Yes, but please keep in mind that the solar panel must be exposed to sunlight. Keep snow clear from the face of the solar panel. Colder temperatures increase voltage, which means the system is more efficient when it's cold & sunny meanwhile. However, there are fewer sun hours during the day in the winter, leading to an overall drop in production. Take steps to conserve energy to get the most out of the system in the winter.

FAQ

Q4: How to decide the number of panels required to recharge?

- A: 1) The output power of the solar panel should fit the recommended voltage.
2) The max open circuit voltage must not exceed in the max input voltage of power station.
3) The gross output current of the solar panel should be between the recommended working voltage.

Tip: When using multiple solar panels in series or parallel, please make sure that the accumulated maximum voltage and current of the solar panels do not exceed in the maximum voltage and current of the power station.

Q5: Is it waterproof?

A: In order to maximize the lifespan of the solar panel, please try not to get it wet or soak the solar panel into water.

Q6: How to clean the solar panel surface?

A: Dust or dirt on the surface should first be removed by using a soft brush. Use a damp cloth to wipe the surface of the solar panel module to remove remaining dust or dirt. Any guano or other adhesive should be removed as soon as possible from the solar panel surface to avoid a reduction in performance.

Disclaimer

- Our company is not responsible for any failure or damage caused by fire, earthquake, wind, lightning, other natural or geological disasters, public hazards, abnormal voltage, or other external factors.
- Our company is not responsible for any damage caused by non-compliance with the contents of the user guide.
- Our company is not responsible for any damage (business interruption, loss of profit, etc.) caused by the using of this machine or the inability to connect with other equipment.

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