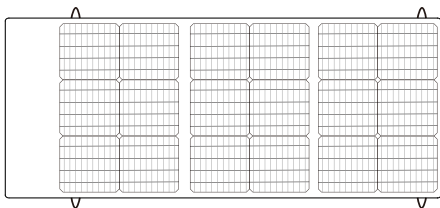


MHPOWOS



45W Portable Solar Panel
Model: MH-SP-007
User Manual

Specifications

Model	MH-SP-007
Maximum Power	45W
Voltage at Maximum Power (Vmp)	18V
Current at Maximum Power (Imp)	2.5A
Open Circuit Voltage (Voc)	21.2V
Short Circuit Current (Isc)	2.75A
USB-A Output	5/9/12V 3.4A (max)
USB-C Output	5/9/12/15V 3A (max)
DC Output	5A(max)
Cell Type	Monocrystalline Silicon
Operating Temp	14~158°F (-10~70°C)
Unfolded Size	30 X 14 X 0.2inch 76.2 X 35.5 X 0.5cm
Folded Size	9.8 X 14 X 0.6inch 24.8 X 35.5 X 1.5cm
Weight	1.5KG/3.3LB

All technical data at standard test condition (STC: E=1000W/m² TC=25°CAM=1.5)

Package Contents

❶ 45W Solar Panel*1



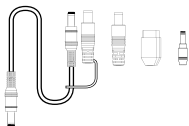
❷ User Manual*1



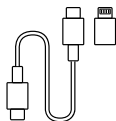
❸ Carabiner*2



④ DC5521 to DC5521/DC8020/DC7909/
DC35135/XT60



⑤ TYPE-C to TYPE-C
Lightning*1

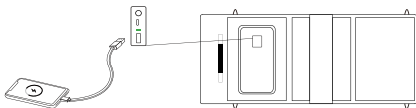


Usage Method

1. Unfold the solar panel. To maximize solar radiation absorption, aim to position the solar panel surface at a 90-degree angle to the sunlight.



2. Connect the USB cable to the output port. Your solar charger is versatile and can be used to charge various devices, including iPhones, Android phones, tablets, and other DC-5V devices.



Reminder : Use original mobile or tablet cables for the solar charger, exposure to sufficient sunlight for better performance.

Safety Tips

1. Please avoid dropping, placing heavy objects, puncturing, throwing, or bending the solar panel to prevent damaging the monocrystalline silicon cells within it and affecting its performance. Any damage caused by external forces will result in the warranty being voided.
2. Never attempt to disassemble or modify the solar panel, as this may lead to unforeseen issues.
3. Regularly clean the solar panel by gently wiping it with a damp cloth. Do not use corrosive liquids to clean the solar panel, and avoid using high-pressure water jets, as excessive pressure might damage the solar panel.
4. Do not use or store this solar panel near fire or heater.
5. Do not use this product as a children's toy.

Frequently Asked Questions

1. Why is my electronic device charging slowly/not charging?

- (1) Please review the application environment and weather conditions for optimal use. Power generation may be during rainy weather. Check if the solar panel is facing sunlight and readjust its position to ensure sufficient sunlight shines on the panel's surface.
- (2) Please check whether the output cable is plugged in and if the connecting cable is defective or loose. Please try reconnecting the output cable.
- (3) Please check for any obstructions on the surface of the solar panel. If there is any shelter or obstruction, please remove it.

2. How to clean solar panel?

Wipe the solar panel gently with a damp cloth. Avoid using highly corrosive liquids for cleaning, and refrain from using high-pressure water guns, as excessive pressure may damage the solar panel.

3. What is the difference between the nominal output of the solar panel and the actual output?

The nominal output of a solar panel is a value determined under specific conditions known as Standard Test Conditions (STC). The conditions for STC include a surface temperature of 25°C, an air mass of 1.5, and a solar intensity of 1000W/m². Actual solar panel output differs from.

Standardized conditions (STC) due to factors like temperature and solar conditions. In real-world scenarios, actual output is often lower than the nominal output, especially in less favorable conditions like cloudy days or extreme temperatures.

Warranty Policy

We provide a 18 months warranty service for this product. Within 18 months from the date of purchase, if your solar panel experiences faults under normal usage, you can apply for warranty with your purchase receipt.

The following situations are not covered by the warranty:

1. Cosmetic flaws caused during use.
2. Product malfunctions resulting from self-disassembly, repairs, or human-induced causes.
3. Damages caused by natural disasters, thunderstorms, accidents, and other uncontrollable factors.

Warranty Application Process:

1. Please contact our customer service team, providing the purchase receipt and a detailed description of the issue.
2. Our customer service team will assist you in submitting the necessary information and documents.
3. After confirmation, we will provide you with an appropriate warranty solution.

If you have any questions or need assistance, please feel free to reach out to us via the following email or website:

Email: support@mhpowos.com

Website: www.mhpowos.com