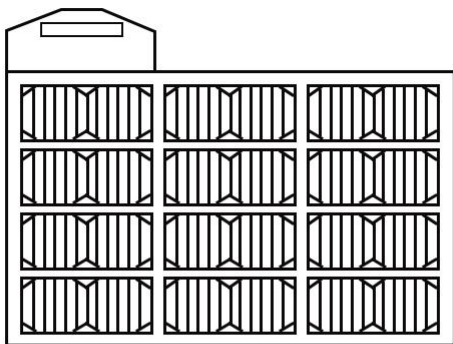


PORTABLE SOLAR CHARGER USER MANUAL



Technical Parameters

Model	MH-SP-006
Maximum Power	120W
Voltage at Maximum Power (Vmp)	19V
Current at Maximum Power (Imp)	6A
Open Circuit Voltage (Voc)	24V
Short Circuit Current (Isc)	6A
USB-A Output	5/9/12V 3.4A(max)
USB-C Output	5/9/12/15 3A (max)
DC Output	5A(max)
Cell Type	ETFE
Operating Temp	14~158 °F (-10~70°C)
Unfolded Size	1203 X 966 X 5 mm
Folded Size	326 X 255 X 70 mm
Net Weight	3.08KG
Maximum System Voltage	70VDC

Package Contents

1 x Solar Charger 6 x Carabiner 1 x User Manual

1X DC5521 to DC5521 / DC35135 / Anderson / XT60 / DC5525 / DC7909 / DC8020 Cable

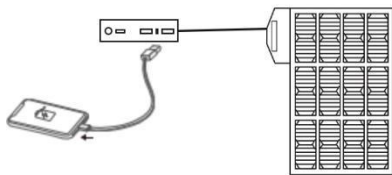
1X TYPE-C to TYPE-C / Lightning

User Instructions

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.

3. When the solar panel receives sunlight and generates output, the controller's indicator light will illuminate. Avoid placing the charging devices (like phones) in direct sunlight or overheated environments. Store the device in your pocket, backpack, or other shaded areas.

FAQ and Troubleshooting

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 lower 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.

Cautions

1. Avoid piercing, throwing, dropping, or bending the solar panel.
2. Under no circumstances should you disassemble or modify the solar panel.
3. Solar panels are constructed with monocrystalline silicon wafers. During use, please refrain from dropping them on the ground or striking them with tools. Avoid stepping on or sitting on the solar panel to prevent potential damage to the monocrystalline silicon wafer, which may impact its functionality. Human-induced external damage may result in warranty avoidance.

Disclaimer

1. Read the user manual carefully before using this product. Keep the manual for future reference.
2. Incorrect operation may cause injury or property damage. Use of this product implies understanding and acceptance of all terms. The user is responsible for the consequences. We are not liable for losses due to failure to follow the "User Manual." Interpretation of documents is subject to change without notice.

Contact us

We have an 18 month warranty on our products (from the date of original purchase). If you have any questions or problems with your product, please email us at: support@mhpowos.com. We will help you within one business day!