

Powerology

200W Monocrystalline Portable Solar Panel

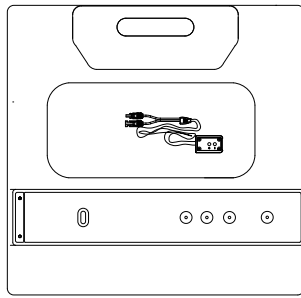
SKU: PSM022



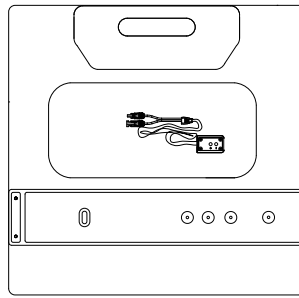
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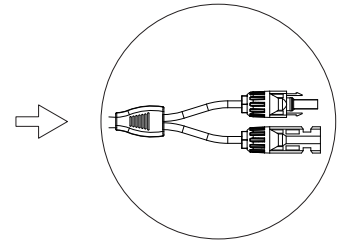
Package Contents



Solar Panel



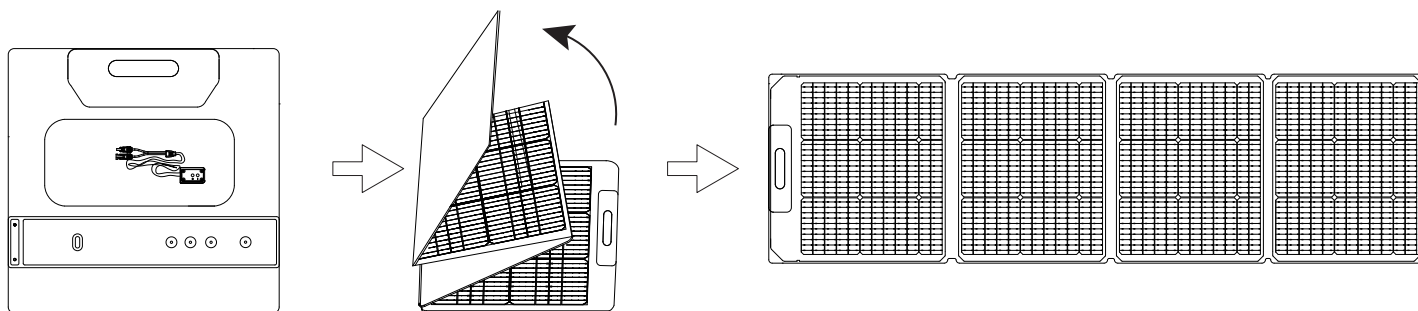
MC4 Cable



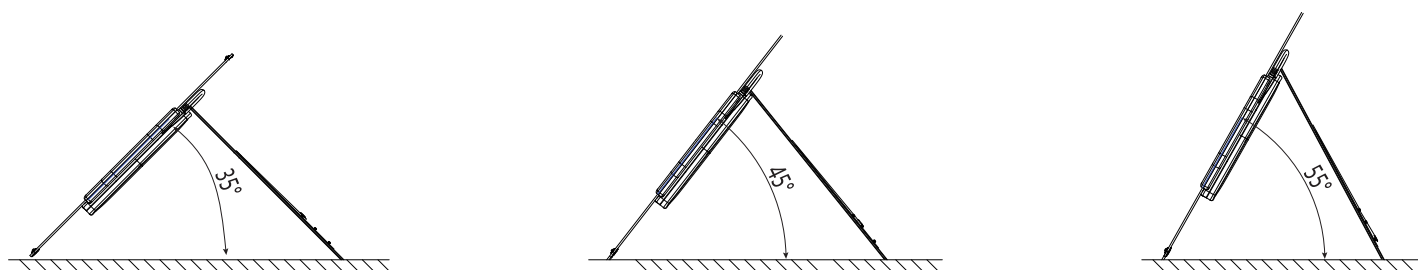
Instructions for Use

1. Use both hands to carefully open and unfold the solar panel.
2. Position the solar panel at the optimal angle and secure the kickstands.
3. Connect the solar panel's connector to the input port of your power station or any other compatible device.
4. To maximize the efficiency of the solar panel, ensure that sunlight hits the panels as directly and vertically as possible. Ensure nothing obstructs the panels.
5. Verify that the output voltage and current ranges of the solar panel match the input voltage and current requirements of your power station or other devices.
6. Avoid using the solar panels during extreme weather conditions, such as thunderstorms, strong winds, hailstorms, and other adverse weather.

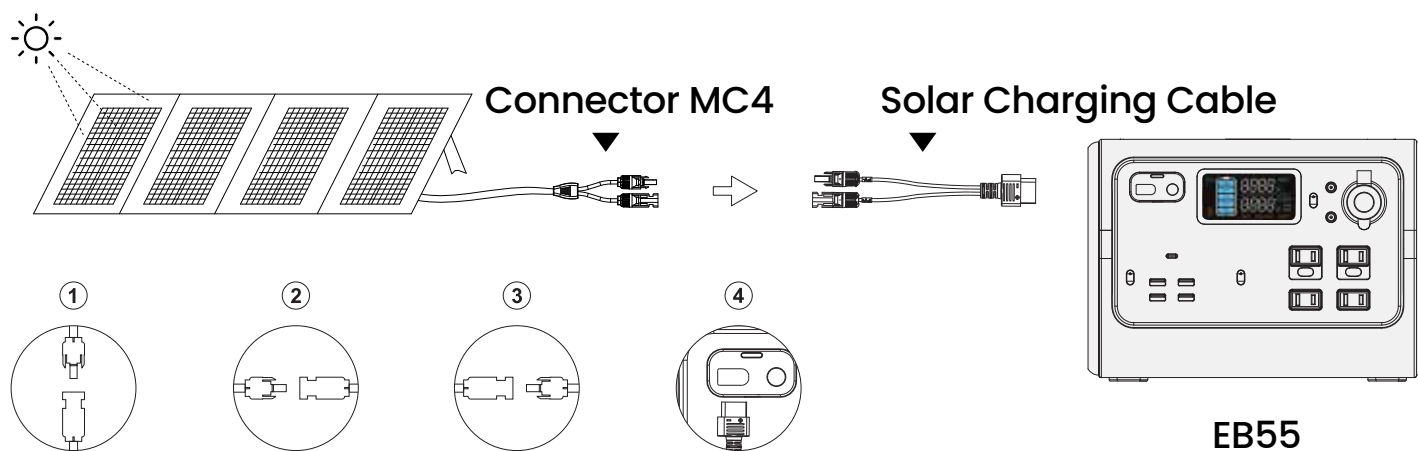
1. Unfold



2. Adjust the kickstand



3. Connect to power station

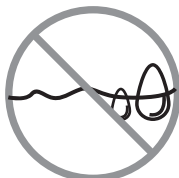


Safety Instructions

1. Use only one PV200 solar panel with EB3A/EB55.
2. When connecting the solar panel in series or parallel, ensure that the total voltage remains within the input voltage limit of the power station.
3. Regular inspection and maintenance are necessary to prolong the lifespan of the solar panels.
4. Avoid the following actions to maintain optimal performance:
5. Do not let the panel fall.
6. Do not expose the panel to water.
7. Do not bend the panel.
8. Do not allow shading on the panel.
9. Do not scratch the surface.
10. Avoid using the solar panels during extreme weather conditions such as thunderstorms, floods, or typhoons.
11. Always operate solar panels within the recommended temperature range: 14°F to 149°F (-10°C to 65°C).



No fall



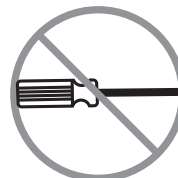
No soak



No bending



No shading



No scratching

Specificati

Model Number	SM022
Peak Power(Pm)	200W
Solar Cell	Monocrystalline
Solar Cell Lamination	ETFE
Cell Efficiency	Up to 23.5%
Operating Temperature	-10°C-65°C
Output	MC18 4V
Junction Box	USB-C (PD 18W)
Voltage at Max Power(Vmp)	18V
Current at Max Power(Imp)	11.11A
Open Circuit Voltage	21.6V
Short Circuit Current	13.3A

STC: Irradiation 1000W/m², cell temperature 25°C, atmospheric mass number AM 1.5, measurement tolerance ±3 % (Pm).

Frequently Asked Questions

1. Is the solar panel waterproof?

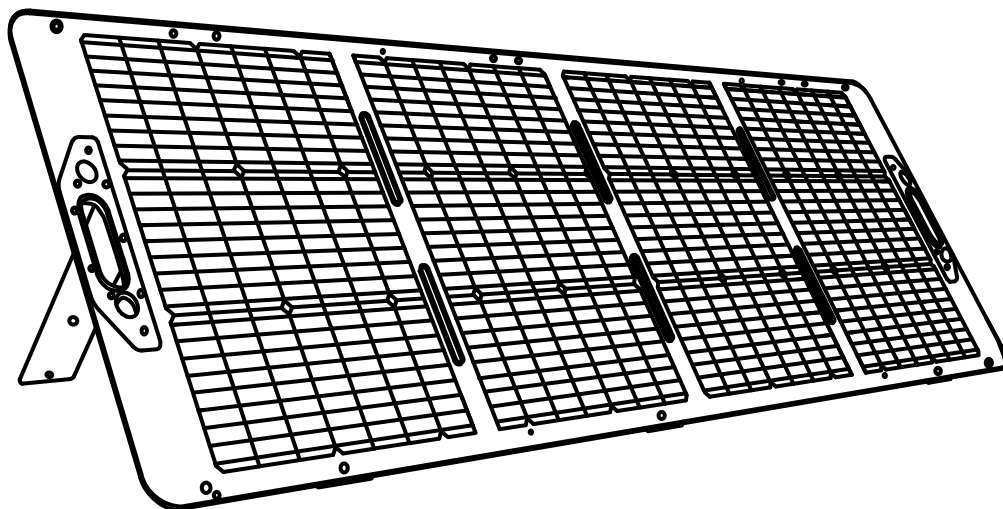
No. The solar panel is IP67 water-resistant, meaning it can protect against water splashes. However, please do not leave it exposed to rain or submerged in water for extended periods.

2. What factors affect the final conversion efficiency of solar panels?
The efficiency of the solar panel can be impacted by several factors, including weather conditions, sun intensity, shading, panel orientation, temperature, location, dust, and dirt. For instance, if you live in an area with minimal sunlight or if the panels are covered by shade, you will experience significantly lower output, or possibly none at all.

3. Is the solar panel compatible with third-party power stations?
Yes. The solar panel is compatible with third-party power stations, as long as the voltage of the solar panel matches the input voltage limit of your power station. Please ensure you are using the same connector, and feel free to contact us for compatibility verification with other power stations.

Disposal

This product must not be disposed of as unsorted household waste. It is important to separate such waste for proper treatment and recycling, in compliance with local waste management regulations.



Warranty

Products that you buy directly from our **Powerology** website or shop come with a 24-month warranty.

The 24-month warranty applies to products purchased directly from our **Powerology** website or store. If **Powerology** products are bought from any of our verified retailers, then the product is eligible for only a 12-month warranty. To extend your product's warranty, visit our website **powerology.me/warranty** and fill in your details in the provided form along with an uploaded picture of the product to process your request. Once approved, you will receive a confirmation email of the extended product warranty. Upload the required information within 48 hours of purchase to be eligible for a 24-month warranty period.

For more info, please check:
powerology.me/warranty

Contact Us

If you have any questions about this Privacy Policy, please contact us at: **hey@powerology.me**

Website: **powerology.me**

Instagram: **[powerology_official](https://www.instagram.com/powerology_official)**

Facebook: **[powerology.ME](https://www.facebook.com/powerology.ME)**