

VanPowerS

100W Foldable Solar Panel

Instruction Manual



Thank you for purchasing VanPowerS products.
Please read this instruction manual carefully and use it correctly.
In addition, please keep this manual in a safe place so that you can read it at any time.

Product Features

- This product is suitable for solar power generation system and can supply power for portable power supply.
- The solar panel is foldable, so it is easy to carry.
- This product is equipped with DC, Type-C and QC3.0 output ports, so you can charge mobile batteries, smart phones, laptop computers, cameras, etc. at the same time.
- This product uses Class A single crystal, which can achieve high conversion efficiency of 23% or higher.
- This product uses waterproof materials and can be used normally even in light rain.
- This product meets the dustproof and waterproof standard IP65 (main panel part).
- Absorbable sunlight intensity is 40,000 LUX or higher.

Characteristics and Cautions

- The power generated by the solar panel will fluctuate greatly according to the current intensity of sunlight and the temperature of the main body of the panel.
- If solar panels are installed to make sunlight shine at right angles as much as possible, the power generation will increase.
- If the panel is not fully unfolded and partially folded, it cannot generate electricity.
- If you place objects that block sunlight on the surface of the panel or partially block the shadows, the amount of electricity generated will be greatly reduced. In addition, if the surface becomes dirty, the power generation efficiency will decrease. Please always keep it clean.
- The panel has no power storage function. The current generated is direct current.

Precautions for Use

Please read the instructions carefully before use to ensure correct use.

- When the solar panel is generating electricity, please avoid exposing the rechargeable battery or portable power source to direct sunlight for a long time, and always keep it cool and dry.
- Do not connect the charging connectors of this product to each other.
- Do not place this product near fire sources or corrosive agents.

Have to discard solar panels as necessary. Please follow the emission regulations of your city, district, town or village.

- Do not use this product as a children's toy.
- Please note that the solar panel may be damaged by falling or impact.
- Do not use the cable when the cable is bent.
- Do not install it in water or frequently submerged places. Otherwise, it may cause electric shock, leakage or accident.
- Do not disassemble or modify. Otherwise, it may cause electric shock, fire or accident.
- After connecting the solar panel charging cable and extension cable, please make sure that the claws of the connector are locked. If it is incomplete, it may cause electric shock, leakage or accident.

FAQ

Q How to clean the surface of the panel?

First, use Softbank to remove dust on the surface. Then wipe the surface of the solar panel with a damp cloth to remove all remaining dust. To prevent performance degradation, please remove bird porridge and other adhesives from the surface of the solar panel as soon as possible.

Q Are foldable solar panels waterproof?

This product complies with the dustproof and waterproof standard IP63 (main panel part). IP63 means that it will not enter (dust) and is not adversely affected by direct jets from any direction.

Q How to check the input current and voltage of the device?

Please refer to the operating instructions of the device. Please contact the manufacturer directly for the first charging adapter and more information.

Q Can I use this foldable device to charge even when it is cloudy?

Yes, due to lower charging efficiency, it takes longer, but it can be charged.

How to Use

- STEP1** Spread this product out and lay it flat so that the solar panels face the sun.
- STEP2** Connect the electronic device to the output boat of this product and start charging the electronic device.
(It cannot be charged at night when the sun is insufficient)



About the Indicator

Indicator status	Instructions
Light blue	Normal status
Flashing red	Overcurrent protection

Maximum power generation 100W (DC/USB Output)

You can charge portable power supplies, smart phones, etc. at the same time.

Connection Example



Product Specifications

Product number	VanPowerS Solar charger100
Maximum power consumption	100W
Exchange efficiency	23%
Rated voltage	18V
Rated current	5.5A
Open circuit voltage	21.6V
Short circuit current	6.6A
USB-A output	5V=3A/9V=2.5A/12V=1.5A
USB-C output	5V=3A/9V=2.5A/12V=1.5A
Operating temperature	-18°C~85°C
Storage size	34.5*52.5*4.5CM
Expand Size	139*52.5*0.3CM

Customer Service

This product has a 2-year warranty. If you have any questions, please contact us directly.