



Upgrade · The Home Creator Way

Solar Panel

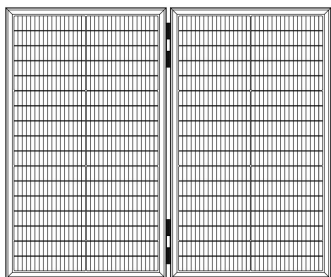
FOLDED FRAME

MODEL: S100 / S200 / S400

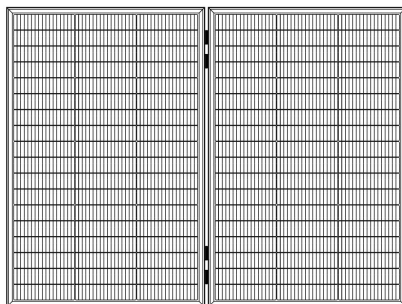
VEVOR Support Center

1	S100 (US)		4	S200 (EU)	
2	S100 (EU)		5	S400 (US)	
3	S200 (US)		6	S400 (EU)	

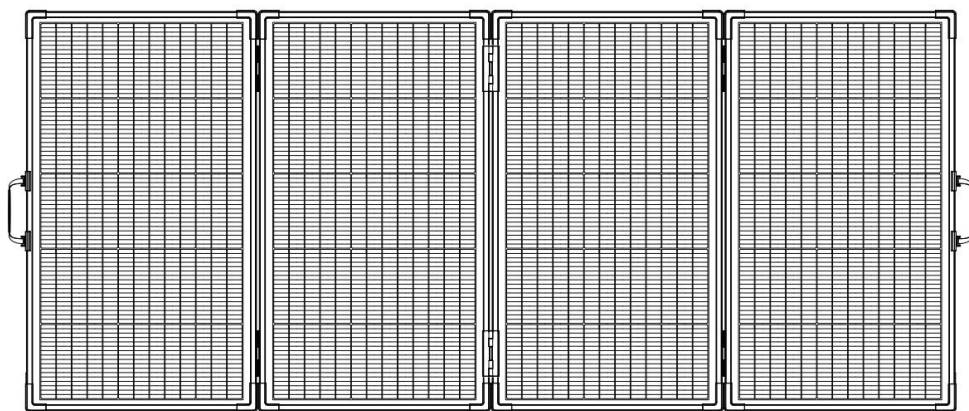
FOLDED FRAME MODEL: S100 / S200 / S400



S100



S200



S400

This is the original instruction, please read all manual instructions carefully before operating. VEVOR reserves a clear interpretation of our user manual. The appearance of the product shall be subject to the product you received. Please forgive us that we won't inform you again if there are any technology or software updates on our product.



Warning-To reduce the risk of injury, user must read instructions manual carefully.



FCC Information:

CAUTION: Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment!

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

- 1) This product may cause harmful interference.
- 2) This product must accept any interference received, including interference that may cause undesired operation.

WARNING: Changes or modifications to this product not expressly approved by the party responsible for compliance could void the user's authority to operate the product.

Note: This product has been tested and found to comply with the limits for a Class B digital device pursuant to Part 15 of the FCC Rules, These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This product generates, uses and can radiate radio frequency energy, and if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this product does cause harmful interference to radio or television reception, which can be determined by turning the product off and on, the user is encouraged to try to correct the interference by one or more of the following measures.

- Reorient or relocate the receiving antenna.
- Increase the distance between the product and receiver.
- Connect the product to an outlet on a circuit different from that to which the receiver is connected.



This product is subject to the provision of European Directive 2012/19/EC. The symbol showing a wheelie bin crossed through indicates that the product requires separate refuse collection in the European Union. This applies to the product and all accessories marked with this symbol. Products marked as such may not be discarded with normal domestic waste, but must be taken to a collection point for recycling electrical and electronic devices

WARNINGS

- Continuing to use in abnormal situations such as smoking or burning odor may cause electric shock or fire. It is necessary to immediately disconnect the solar panel and connect the charging device.
- If liquid such as water or foreign objects enter the USB charging port, please disconnect the solar panel and connect the charging device, otherwise it may cause electric shock or fire.
- Please do not continue to use this product after applying heavy crunch, which may cause electric shock or.
- Do not disassemble or refit this product, as it may cause electric shock or damage.
- Do not place metal between this product and smartphone as it may cause a fire.
- To prevent accidents, please ensure that the solar panel and device being charged can be immediately disconnected.
- Please do not use this product in the car, on the hood or iron products of the car, in areas where high humidity may occur such as asphalt or sand.
- Do not use close to water, high humidity, or snow. (Note: The outer fabric and solar panel are waterproof, but the USB charging port is not waterproof. Therefore, for your safety, if you do not use this product for a long time, be sure to disconnect the solar panel and connect the device being charged.).
- When cleaning the solar panel, be sure to disconnect the adapter cable and the device being charged. Keep this product away from your children.
- Keep this product away from your children.

- Soaking the adapter cable may damage it, which may cause a fire or electric shock.
- When charging, the product or smartphone may generate heat, but this is caused by product characteristics and not a product malfunction. Turning on the device's power can still charge even in standby mode, but in this case, the charging time may be longer, it is normal.
- Do not put anything on the solar panel, do not press it, bend it, pull it, or damage it.
- Do not stick stickers on or cover the solar panel with a cloth, as this can cause damage, fire, or deformation to the device to be charged in direct sunlight.
- Please hide the object to be charged under the product or avoid direct sunlight. The charging rate depends on the intensity and angle of sunlight. Please note that the charging quality may not meet your needs. The provided data is theoretical and the actual output will vary depending on the Intensity of sunlight.
- Except for this product, all other accessories must be purchased by oneself.
- The product complies with relevant standards and regulations. Installation of this device must comply with all applicable regulations, and it should only be operated in well-ventilated areas. Please read the user manual before installing and using this equipment.
- This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.
- Children shall not play with the appliance.
- This appliance shall not be used by children. Keep the appliance and its cord out of reach of children.
- This appliance is intended to be used in household and similar applications such as:
 - Roof, eaves, balcony
- Please properly keep product. Check whether the product is abnormal before use. If it is abnormal, please stop using it.
- Please use the product according to the intended use, warn of potential injury from misuse.

- **DANGER:** High voltage inside. Disconnect all power sources before servicing. PV array generates DC voltage even in low light. Do not touch live terminals. Do not short-circuit battery terminals. Risk of fire or explosion. Installation must be performed by a qualified electrician in accordance with local regulations.
- Do not operate the unit if it is damaged or has exposed wiring.
- Do not stand on or step on solar panels. Risk of personal injury and product damage.
- Do not cover or shade the panel during operation. Risk of overheating and fire.

Keep this away from water.

A charging cable is required to use this product.

Excluding charging cables, charging cables are not included. Please also prepare the charging cable for the charging device.



Be careful not to damage the equipment due to sunlight-

Please absolutely avoid direct sunlight on the smartphones and mobile batteries that are being charged, as overheating may cause damage to the device you are using, leading to device malfunction, fire, deformation, etc. Please avoid direct sunlight when charging the charging object.



Attention should be paid when using solar panels

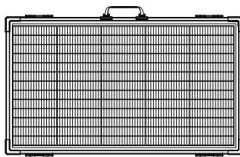
1. When charging, the heat of sunlight may cause the solar panel to heat up, so be careful not to get burned.
2. When charging, do not let infants or children touch this product to avoid burns.
3. Do not use in areas with high temperatures such as the car interior, engine hood, iron products, or asphalt.
- 4.

Operation Scenario Description

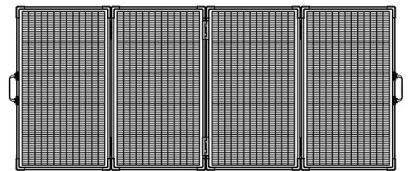
Charging method

1. **Open the solar panel and adjust all solar panels to be as perpendicular as possible to the sunlight. Let the sun shine all solar panels.**v (Due to the movement of the sun, please adjust the solar panel to move vertically with the sun.)

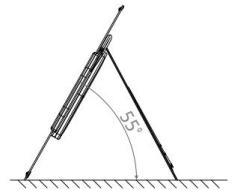
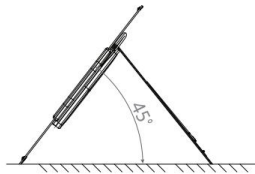
❶ Expand



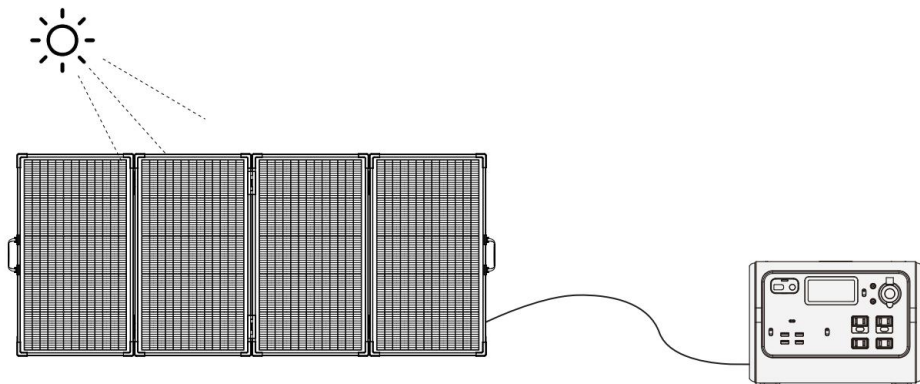
(Examples: S400)



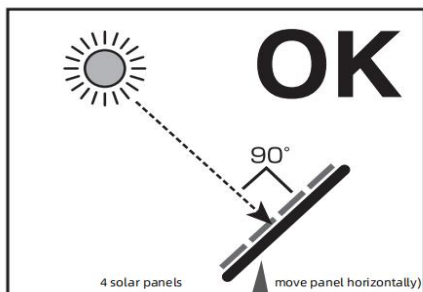
❷ Adjust the bracket



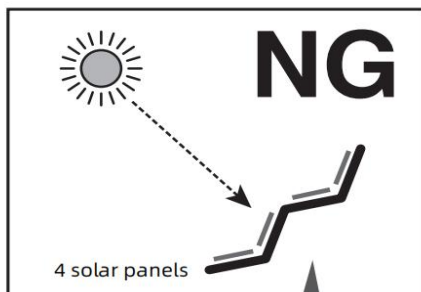
3 Connect devices that need



- Please note that the power generation rate may vary depending on the intensity and angle of sunlight.
- Do not put anything on the solar panel, do not stick stickers on it, or cover it with a cloth, as it may not charge.
- Place the solar panel in the sun and use the corresponding wire to connect the device you need to charge to complete the power supply.



Adjust four solar panel over time, to keep them vertical to the sunlight.



As shown in the above picture, if there is no direct sunlight, the charging efficiency will decrease.

Frequently Asked Questions

Are solar panels compatible with other brands of power equipment?

Yes, it can be used with the appropriate cable.

Is the solar panel waterproof ?

No. The solar panel is IP65~IP67 water-resistant that provides protection against water splash Please do not leave it in the rain or water for a long time.

What will affect the final conversion efficiency of solar panels?

The actual solar panel efficiency may be affected by several factors, like weather, sun intensity shading, panel orientation, temperature, location, dust and dirt For example, if you live in a place without much sunlight or your panels are covered by shade, you'll get a very low output or none at all.

Precautions for using foldable solar panels

[Lighting and Angle]

Fully unfold the solar panel and place it in an area with direct, unobstructed sunlight. Adjust the panel angle according to the season and time of day, aiming the front of the panel as vertically as possible toward the sun for optimal charging efficiency.

[Cleaning and Maintenance]

Keep the panel surface clean and avoid dust, dirt, leaves, or snow. When cleaning, wipe gently with a soft, damp cloth. Avoid using corrosive chemical solvents or high-pressure water jets to avoid damaging the panel and internal circuitry.

[Extreme Environment Protection]

Avoid use in extreme weather (such as heavy rain, hail, and strong winds). Although this product is waterproof, prolonged immersion or severe impact may still cause damage. Keep away from sources of fire, hot surfaces, and corrosive gases.

[Storage and Transport]

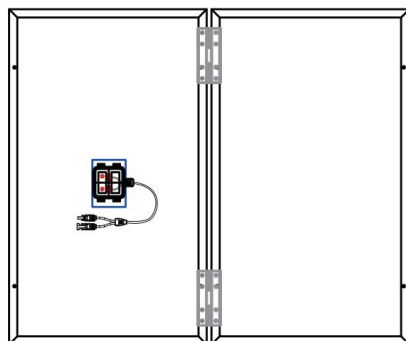
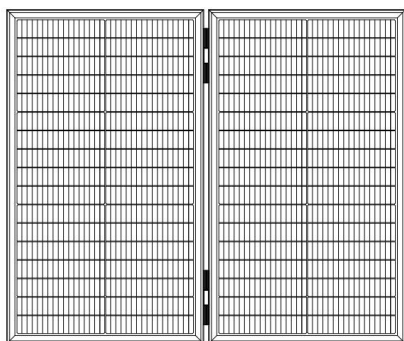
When not in use, allow the panel to dry completely before folding and storing. Store in a cool, dry, well-ventilated environment. Avoid heavy objects or sharp objects that may damage the panel, as this may cause permanent damage.

Product Parameters

For the experimental data under standard conditions

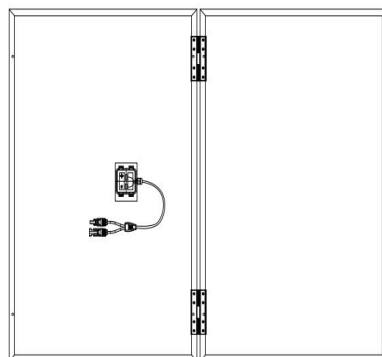
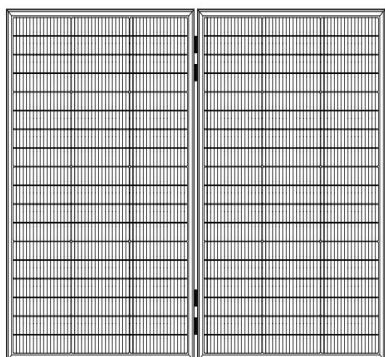
Model	S100
Rated Power	100W
Open-circuit Voltage	23.5V
Short circuit Current	5.5A
Operating Voltage	22.5V
Operating Current	4.45A
Operating Temperature	-10℃~65℃
Conversion Efficiency	≥24%
Protection Grade	IP67
Unfold size	693*820*30mm
Folded size	693*420*63mm
Output Interface	MC4 connector
Parts List	1.30A PWM Controller 2.crocodile clip 3.Two conversion cables (one bare wire and one with MC4 connector)

MODEL:S100



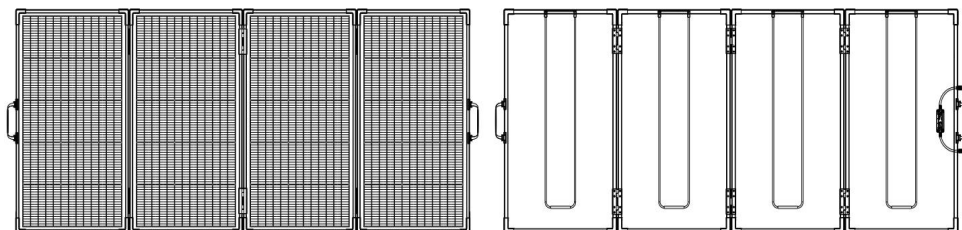
Model	S200
Rated Power	200W
Open-circuit Voltage	28.1V
Short circuit Current	11.2A
Operating Voltage	23.4V
Operating Current	8.55A
Operating Temperature	-10℃~65℃
Conversion Efficiency	≥23%
Protection Grade	IP67
Unfold size	1190*900*33mm
Folded size	818*596*65mm
Output Interface	MC4 connector
Parts List	1.30A PWM Controller 2.crocodile clip 3.Two conversion cables (one bare wire and one with MC4 connector)

MODEL:S200



Model	S400
Rated Power	400W
Open-circuit Voltage	45V
Short circuit Current	12A
Operating Voltage	39V
Operating Current	10.3A
Operating Temperature	-10℃~65℃
Conversion Efficiency	≥24%
Protection Grade	IP67
Unfold size	2294*987*19mm
Folded size	987*579*74mm
Output Interface	MC4 connector
Parts List	1.One-to-three (MC4 to XT60/Anderson/DC5521) 2.10-in-1 Battery Adapter Interface Row 3.MC4 extension cable x 2

MODEL:S400



The rough breakdown diagram is for reference only.

