

45W Portable Solar Panel (Type-C)

Thank you for choosing
EcoFlow portable solar panel

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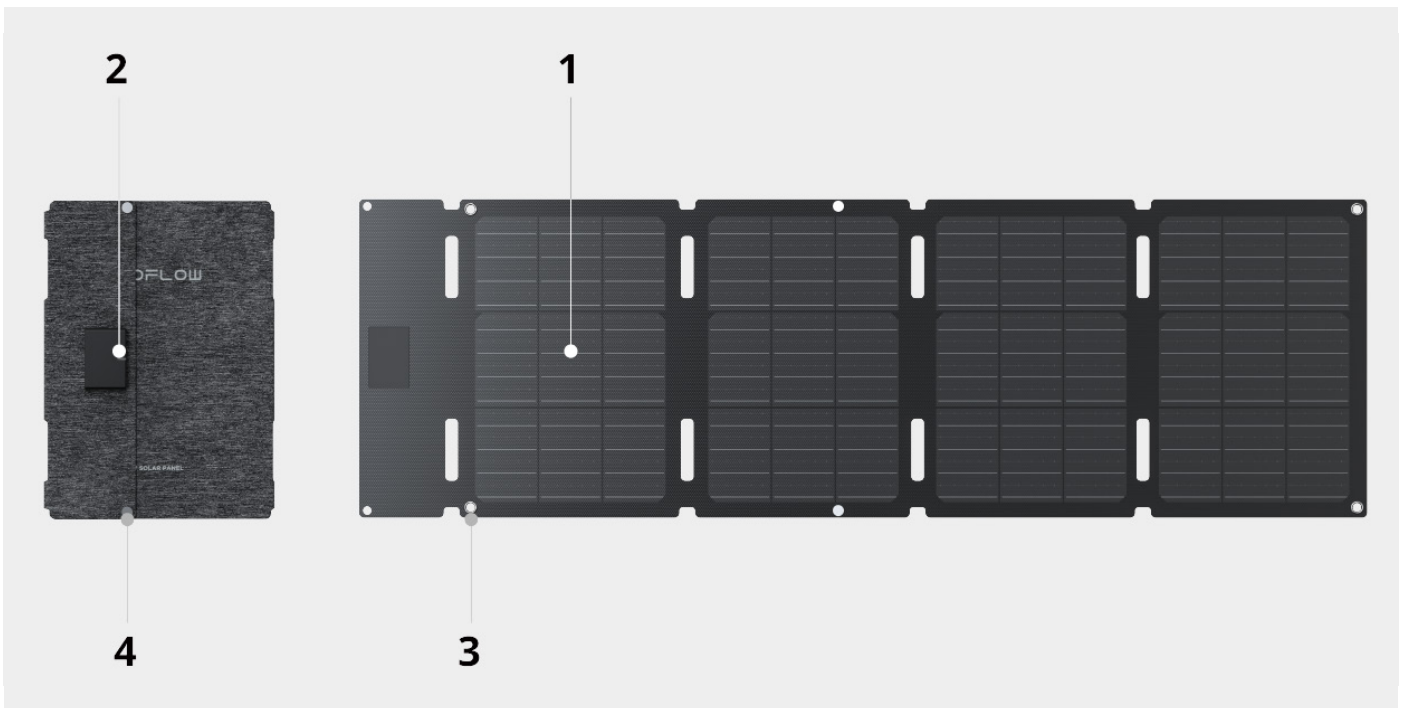
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Overview



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|---|----------------------------|---|
| 1 | Photovoltaic module | Face this side to the sun during use. It's recommended to use the panel on sunny days when there is ample sunlight. |
| 2 | Junction box | Contains a DC5521 port and a Type-C port. Connect the ports to your devices for solar charging. |
| 3 | Preset holes | The panel has preset holes with an internal diameter of 8mm. You can hang the panel with zip ties or hooks. |
| 4 | Snap button | To store the panel, fold it, snap the buttons closed, and place the panel upright. |

Get Started

Find an Ideal Environment

To maximize the panel's power output, find an ideal environment before you place the panel.



Use the panel on sunny or mostly sunny days

On a sunny noon, sunlight is strong and the panel yields more power. On cloudy or rainy days, sunlight is weak and the panel's output decreases as a result.



Minimize shading

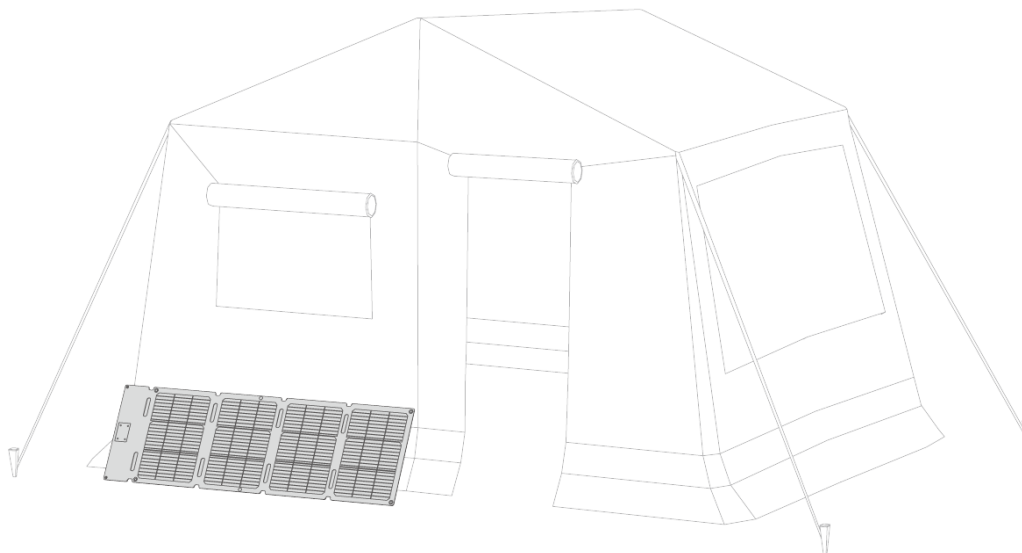
Keep the panel free from shading, dust, leaves, droppings, or other debris. Otherwise, the panel's power output will decrease dramatically.

Place Your Panel

1 Flat Use

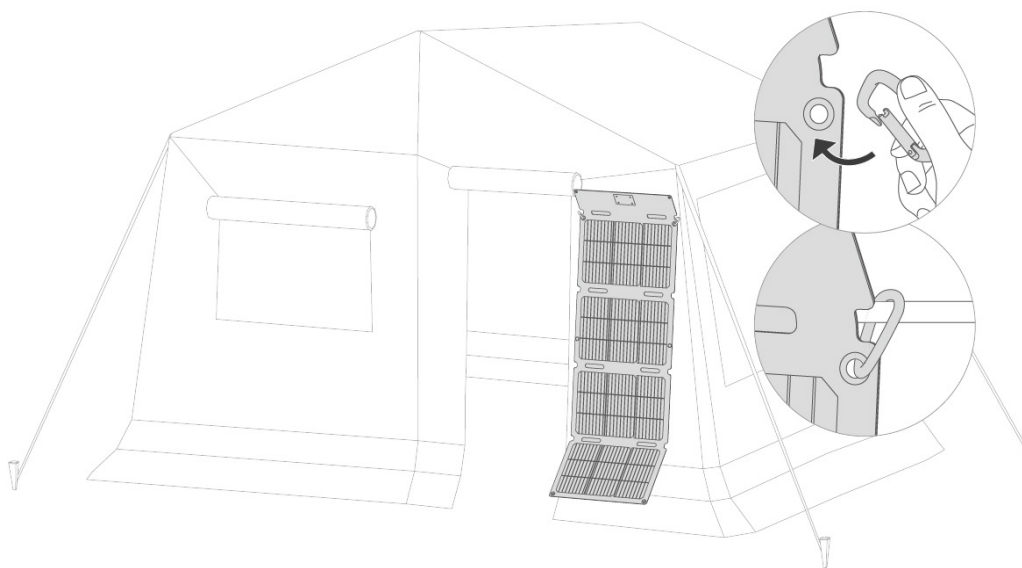
Unfold the solar panel and place it flat on the ground with the photovoltaic module facing upwards.

Under different sunlight conditions, you can also lean the solar panel against other objects (such as tents) to get a more vertical angle between the sunlight and the panel.



2 Hanging Use

Unfold the solar panel, insert the hooks through the preset holes of the panel, and secure it to a surface with rails or mesh.



For long-term use, ensure that the panel is securely fixed to avoid falling off in windy conditions.

Power Your Devices

Via DC5521 Port

You can connect the panel to an EcoFlow portable power station to store power, or to an EcoFlow smart device to power the device directly.

Prerequisites

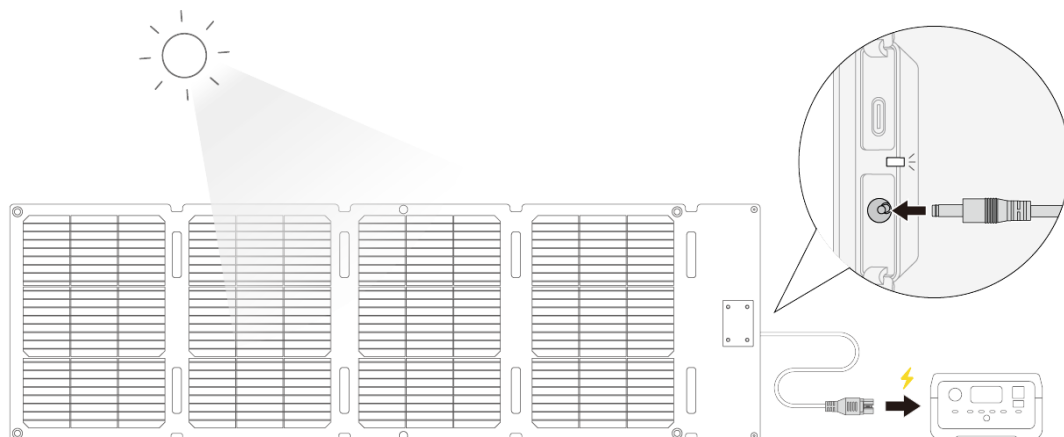
When using the panel with your devices, please make sure the **maximum output parameters'** of the panel are within the input range of the devices. Otherwise, your devices may be damaged. To connect the panel with a third-party device, please make sure that the device allows solar input, and that its output ports and electrical parameters meet the panel's requirements.



Maximum output parameters'

Refer to the open circuit voltage and the short circuit current of the panel.

How to Connect



Prepare a Type-C charging cable, and use it to connect the panel's Type-C port to your device.

If you have more than one solar panel, do not connect their Type-C ports to each other to avoid damage.

Storage and Maintenance

Storage

- To store the panel, disconnect the cables, put in the dust plugs, fold the panel, snap the buttons closed, and place the panel upright.

Cleaning

- Make sure the panel is not connected to portable power stations or other loads, and that the panel's surfaces have cooled to room temperature. Then, wet a soft rag with clean water, twist dry the rag, and clean the panel's surfaces with it. Avoid wiping or washing the ports when cleaning.

FAQ

1. Is the panel waterproof?

The panel has an IP68 rating. Do not soak the panel in water. If the panel gets wet in the rain or falls into water by accident, check if water has got into the ports immediately. Wipe the ports with a dry cloth, and let the solar panel air dry before you use the panel again.

2. Why isn't my panel generating power?

Make sure the connection is correct and tight, the environmental conditions, including sunlight, are ideal for solar power generation. If the panel still generates no power after you exclude the factors above, contact EcoFlow's official customer service for help.

3. Can portable solar panels generate power with weak light, like on rainy days or under indoor lighting?

Portable solar panels barely generate power under such circumstances as they are made of monocrystalline cells, whose performance is restricted by weak light.

4. Is the panel compatible with all EcoFlow portable power stations?

It depends on the electrical parameters of the panel and the solar input parameters of the power station.

What's in the Box



1

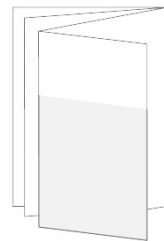


2



L=1500 mm/59.1 in

3



4

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1. Snap hook (×4)
 2. EcoFlow 45W Portable Solar Panel (Type-C)
 3. DC5521 to XT60i cable (1.5 m)
 4. Quick Start Guide, Safety Instructions, Warranty Card
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Specifications

Parameters	
Model	EF-Fold-P045-DT
Rated Power	45W (±5W)
Open Circuit Voltage (Voc)	25.6V
Short Circuit Current (Isc)	2.06A
Max Power Voltage (Vmp)	22V
Max Power Current (Imp)	1.98A
Recommended Ambient Temperature	-20°C to 85°C
Efficiency	25%
DC5521 Output	45W (±5W) 22V/1.98A
Type-C Output	15W Max (5V/3A)
Temperature Coefficient of Rated Power	-(0.30±0.02)%/°C
Temperature Coefficient of Open Circuit Voltage	-(0.25±0.03)%/°C
Temperature Coefficient of Short Circuit Current	+(0.045±0.015)%/°C
Dimensions	
Weight	Approx. 1.4 kg (3.09 lbs)
Unfolded Dimensions (L×W×H)	980×309×16 mm (38.58×12.17×0.63 in)
Folded Dimensions (L×W×H)	222×309×40 mm (8.74×12.17×1.57 in)
Battery Specifications	
Cell Type	TOPCon monocrystalline silicon
Connector Type	DC5521/Type-C

- Standard Test Conditions: 1000W/m² (92.9W/ft²), AM1.5, 25°C (77°F)
- When the temperature is too high or too low, the panel's open circuit voltage and short circuit current will vary.

Safety Instructions

Disclaimer

Please read the product document and ensure that you understand it fully before using the product. After reading this document, keep it for future reference. Improper use of this product may cause serious injury to yourself or others, or cause product damage and property loss. Once you use this product, it is deemed that you understand, approve and accept all the terms and content in this document. EcoFlow is not liable for any loss caused by the user's failure to use the product in compliance with the product document.

In compliance with laws and regulations, EcoFlow reserves the right to the final interpretation of this document and all documents related to the product. This document is subject to changes (updates, revisions, or termination) without prior notice. Please visit EcoFlow's official website to obtain the latest product information: <https://www.ecoflow.com/>.

Safety Guidelines

1. Do not wet the product, or leave it in a humid environment for an extended period of time. Do not allow the junction box or wire connectors to come into contact with liquids.
2. Do not expose any component of the product to highly corrosive materials such as corrosive organic solvents.
3. Do not use this product near open flames or flammable or explosive materials.
4. Do not poke or puncture the solar panel with sharp or pointed tools, or wipe the surface of the solar panel with hard materials such as sandpaper.
5. Do not knock, squeeze or bend the solar panel. It is recommended to place this product upright during transportation or storage.
6. Do not place heavy objects on the solar panel to avoid damage when using the product.
7. Should you wish to store the product for an extended period of time, please disconnect the cables and put in the dust plugs.
8. Do not disassemble any component of the product by yourself, as this will void the warranty.
9. When using this product to charge a power station, please make sure it complies with the power station's requirements for parameters and specifications.
10. Use the included cable to connect the solar panel and a power station. If the included cable is missing, contact EcoFlow's customer service for purchasing advice.
11. Do not plug or unplug any connecting wires while the solar panel is operating.
12. Do not wear any metal accessories when plugging or unplugging the solar panel.
13. Do not apply any chemicals (such as paint, adhesives) to the sun-facing side of the solar panel.
14. Do not use devices such as magnifying glasses to focus sunlight on the solar panel.
15. Keep this product out of the reach of children and pets.
16. Do not dispose of waste solar panels at will, please follow local laws and regulations for their disposal.
17. If you have more than one solar panel, do not connect their Type-C ports to each other to avoid damage.