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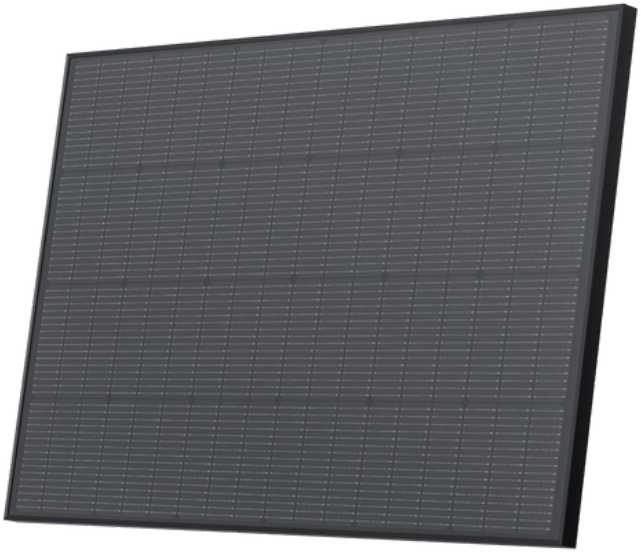
ECOFLOW

175W rigid solar panel

User Guide



Disclaimer

Before using the product, please read this manual and make sure you fully understand it. Please keep this user manual for future reference. Any improper use may result in serious injury to the user or others, damage to the product or property. If the user uses this product, the user is deemed to have understood, acknowledged and accepted all the terms and contents of the user manual, and is therefore responsible for any improper use and all consequences resulting therefrom. EcoFlow hereby disclaims any liability for damages caused by the user's failure to use the product in accordance with the user manual.

In accordance with laws and regulations, EcoFlow has the final right to determine the interpretation of the contents of this document and all related documents of this product. If necessary, any updates, revisions or deletions of parts of the contents will be made without prior notice, and users can visit EcoFlow's official website to find the latest product information.

Technical specifications

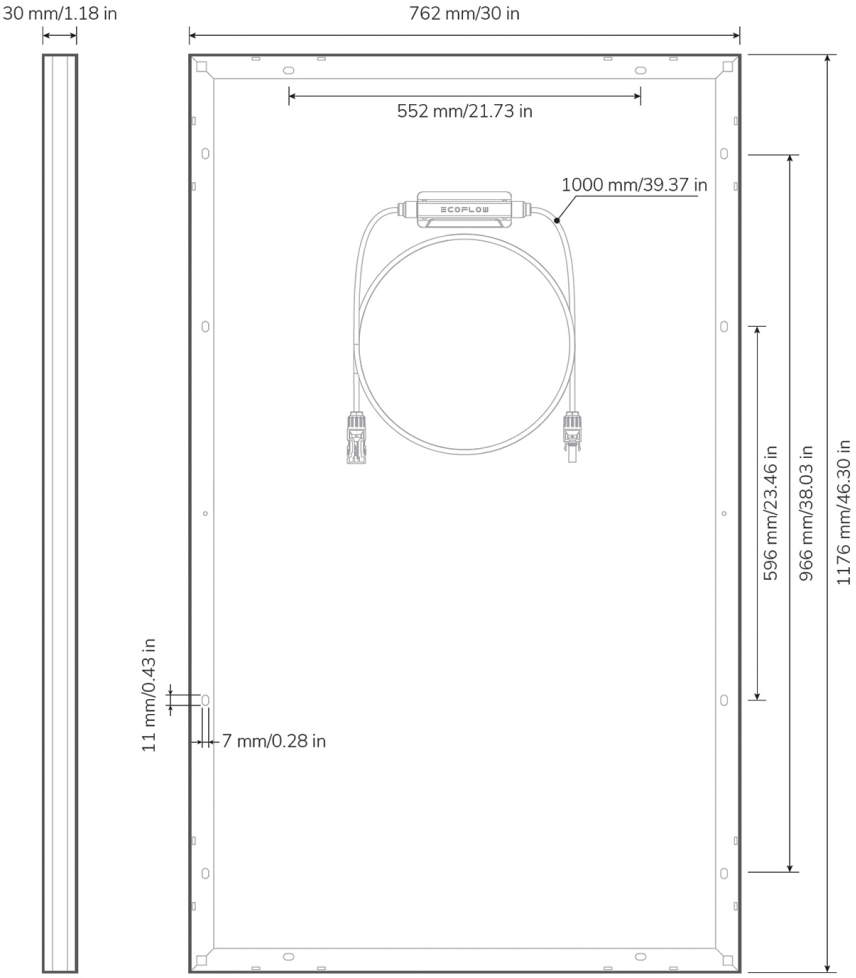
In general	
Rated power	175W (±5%)
Open circuit voltage	25.5V
Short circuit current	8.3A
Maximum operating voltage	21.9V
Maximum operating current	8.0A
Thermal coefficient of nominal power	- 0.30%/°C
Thermal coefficient of open circuit voltage	- 0.25%/°C
Thermal coefficient of short-circuit current	0.045%/°C
Maximum system voltage	600 V DC (UL)
Maximum fuse current	15 A
Weight	approximately 9.3 kg
Dimensions	1176 × 762 × 30mm

Tests and certifications

IP68

* Standard test conditions: 1000 W/m2, AM1.5, 25 °C

Product details

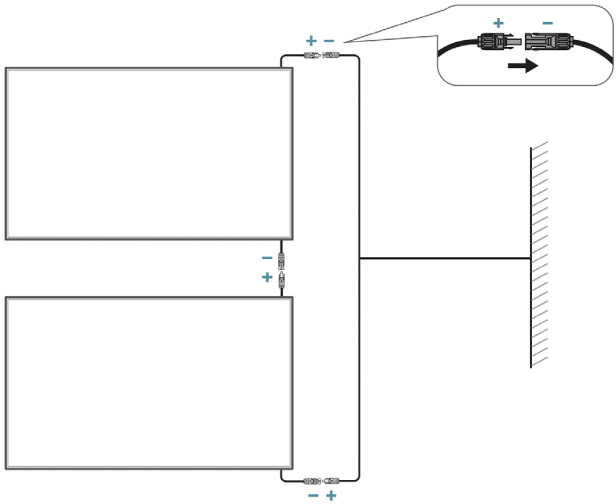


How to connect multiple solar panels

You can connect multiple solar panels in series or parallel, but series connection is recommended. Please purchase the extension cable, parallel cable and other accessories needed for connection by yourself. It should also be noted that all connections in the solar panel system should be made using solar panels with the same specifications.

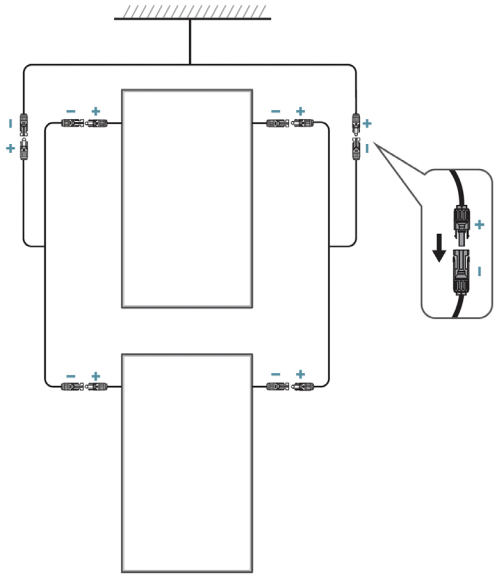
1. SERIES CONNECTION

Series connection can increase voltage. When connecting in series, connect the positive pole of one module to the negative pole of the other module.



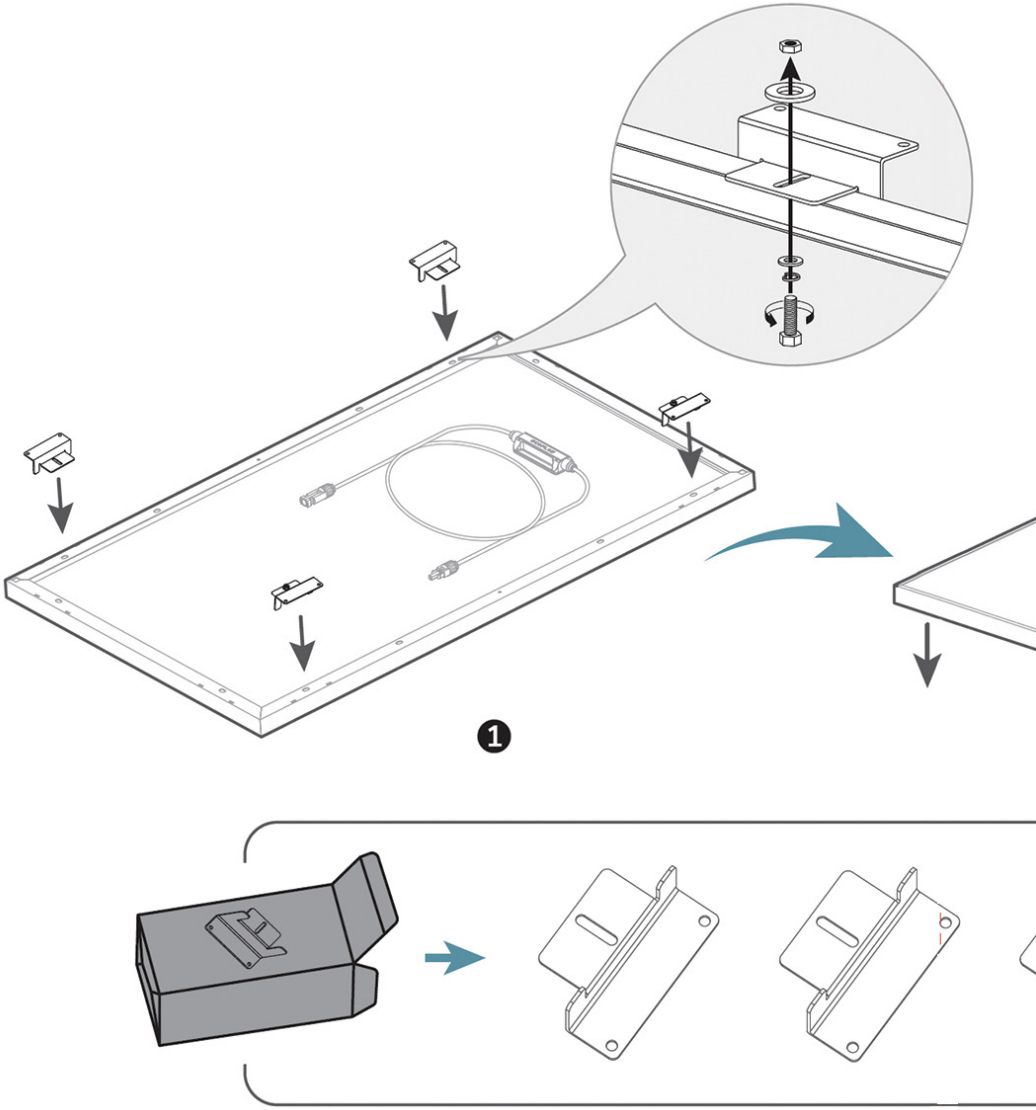
2. PARALLEL CONNECTION

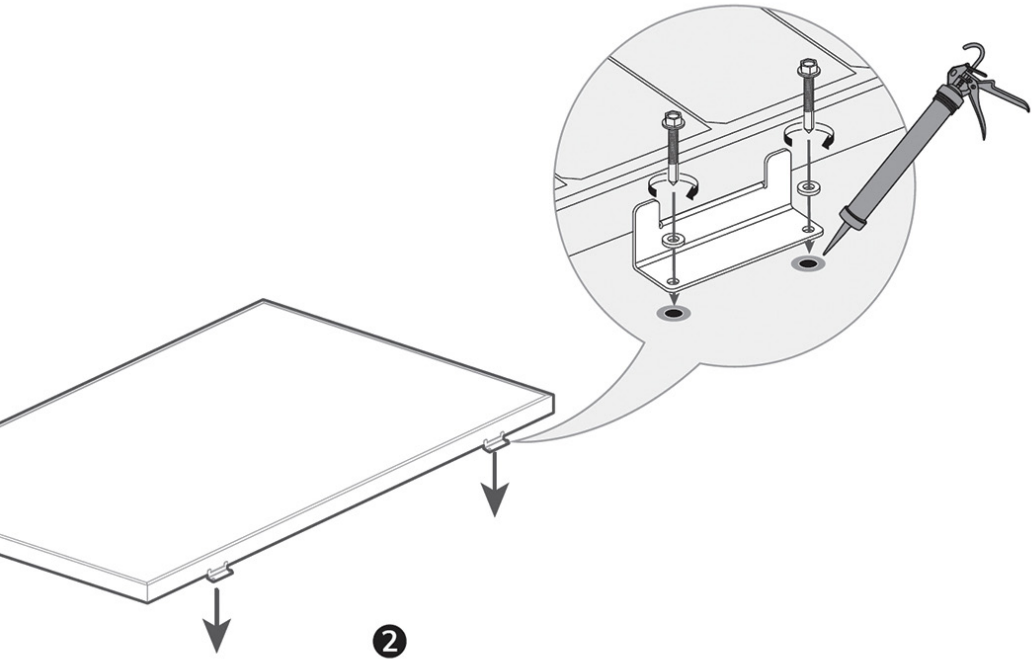
Parallel connection can increase the current value. When connecting in parallel, connect the positive cable of one module to the positive cable of the other module, and the negative cable of one module to the negative cable of the other module.



Installing the tilt mount bracket

The system can flexibly adjust the tilt angle by adjusting the bracket so that the solar panel is at a vertical angle with the sunlight. It can also be fixed on a flat surface for a long time. To ensure the stability of the system, it is recommended to place the modules in a horizontal position during use.





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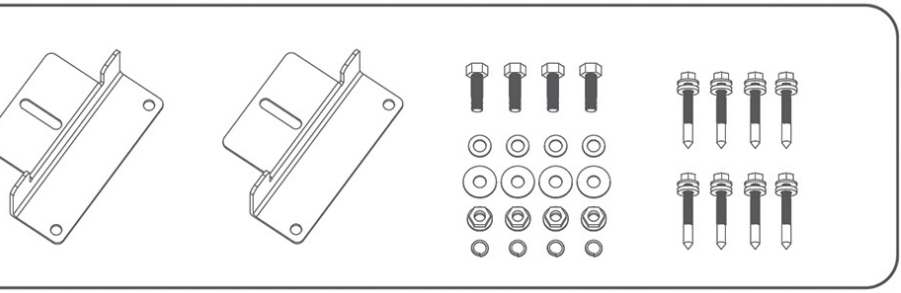

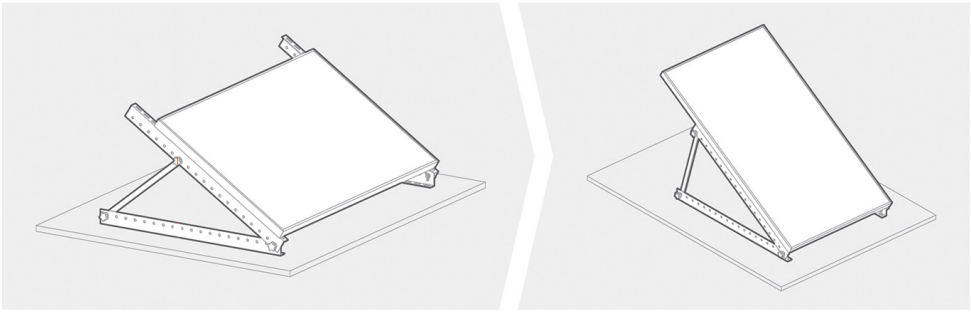

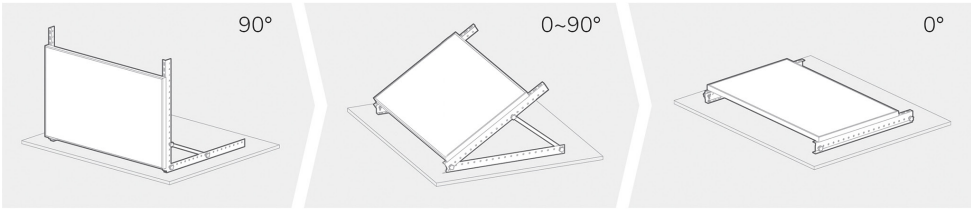

* The above installation kits are not included in the package and can be purchased at the official EcoFlow sales point.

Safety instructions

1. This solar system must be installed by a company qualified in solar system installation.

2. Do not dismantle the module or the product label yourself, otherwise the warranty may be voided.

3. Make sure to use the installation components provided by us (including connectors, connecting cables and brackets). Before installation, the solar panel should be completely covered with opaque material, and the positive and negative terminals should be disconnected to prevent the panel from generating power.

4. Carefully check the solar panel for broken glass or damaged back panel. If so, stop installing or using it immediately.

5. Do not wear any metal jewelry during installation and use only insulated tools approved for electrical installation.

6. When installing multiple solar panels in series or parallel, the cable cross-section and connector capacity must match the maximum short-circuit current of the system.

7. Do not install the modules near open flames or flammable and explosive materials. Do not install the solar system in places where it may be submerged in water, where there is irrigation equipment or sprinklers. Do not allow children to approach the installation site or touch the electrical modules.

8. Do not step on the solar panel or any part of it.

9. Do not touch the solar panel (especially the back panel) with sharp tools.

10. When installing on the roof and on the ground, you must comply with local and national regulations

Use

1. The module overcurrent protection rating applies to DC fuses.
2. Do not connect or disconnect any system connectors while the circuit is under load.
3. Ensure that the system's fire resistance meets standards, comply with local electrical safety regulations, and configure module accessories (e.g. fuses, circuit breakers, grounding connectors, etc.) as needed.
4. Make sure that the solar system installation area is well ventilated and the connectors are clean and dry.
5. All solar system connections must be sealed to prevent moisture from entering.
6. When installing and using the solar system, be sure to follow the safety regulations for all other modules in the system, including connecting wires and cables, connectors, control units, charge controllers, inverters, accumulators and other rechargeable batteries.
7. Do not apply any substances that could block light (e.g. paints, adhesives, etc.) to the surface of the solar panel that receives light.
8. Do not expose the module surface to artificially amplified sunlight.
9. Do not place heavy objects on the solar panel during use to avoid damage.

Comment

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