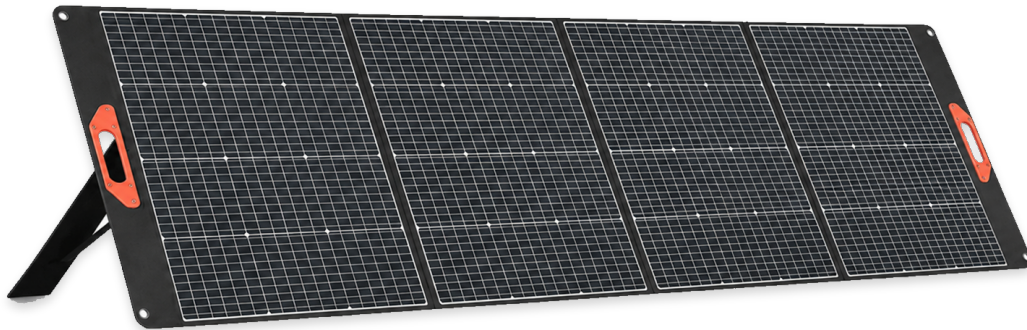




UC-100 | UC-200 | UC-400

Portable Solar Panels

USER MANUAL



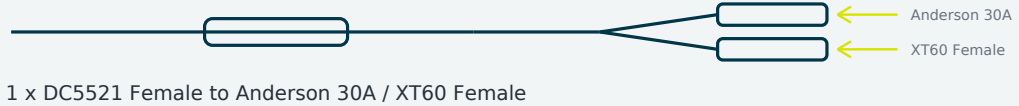
Model	Peak Power	Working Voltage	Weight	Folding Size
UC-100	100W	20V	2.7kg	400 x 265 x 75mm
UC-200	200W	20V	4.8kg	460 x 415 x 75mm
UC-400	400W	40V	9.2kg	665 x 570 x 75mm

Packing Contents

UC-100W



Portable solar panel x 1



1 x DC5521 Female to Anderson 30A / XT60 Female

1 x DC 3 in 1 Adapters

UC-200W



Portable solar panel x 1



1 x MC4 to DC5525 Male / DC7909 Male / Anderson 30A / XT60 Female

UC-400W



Portable solar panel x 1



1 x MC4 to Anderson 30A / XT60 Female

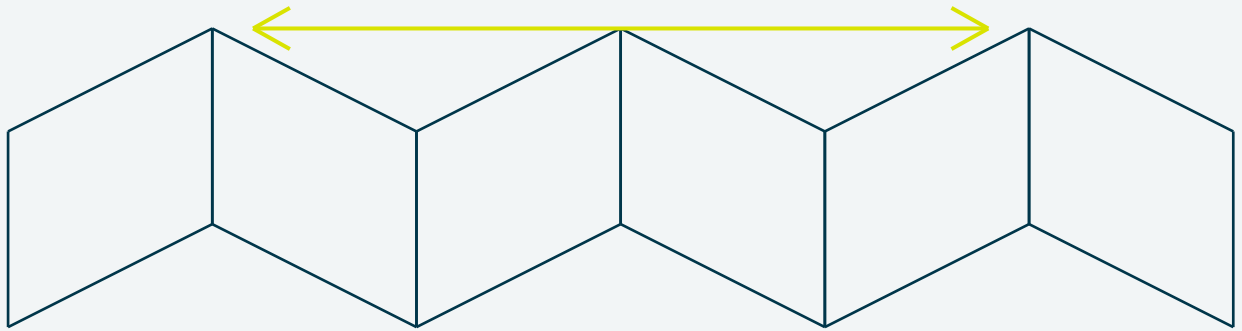
Product Features

- Monocrystalline solar cells with a conversion rate of up to 23%.
- Lightweight solar panel, foldable design, highly portable.
- Low weight, 30%-40% lighter than common folding solar panels.

- Intelligent charging chip, widely compatible, multi-port output.
- Compatible with multiple solar panels in series and parallel for improved charging performance.
- The laminating process using aerospace polymer materials effectively protects the solar cells and prevents hidden cracks.

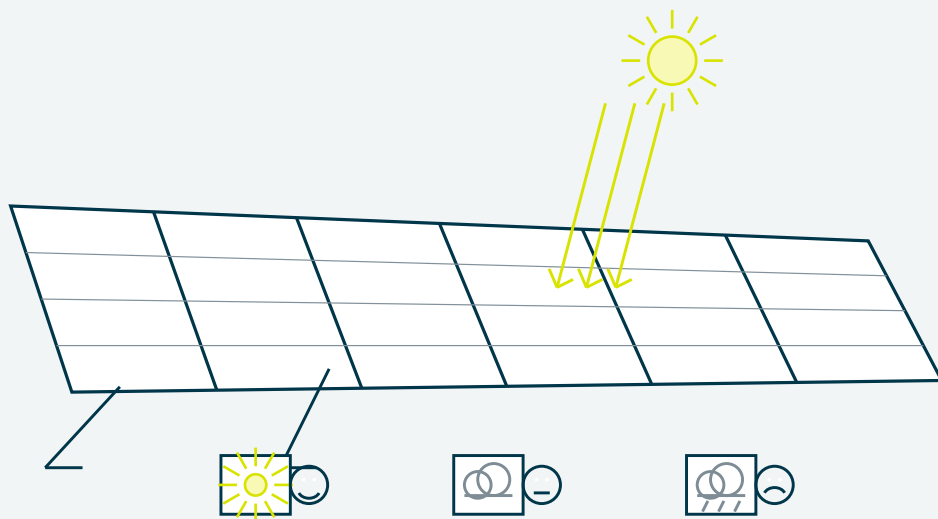
Operation Method

1



Unfold the solar panel, open the bracket on the back and support it.

2



In order to let the solar panel receive sunlight more effectively, please try to ensure that the sunlight hits this solar panel at a 90 degree angle with no obstruction.

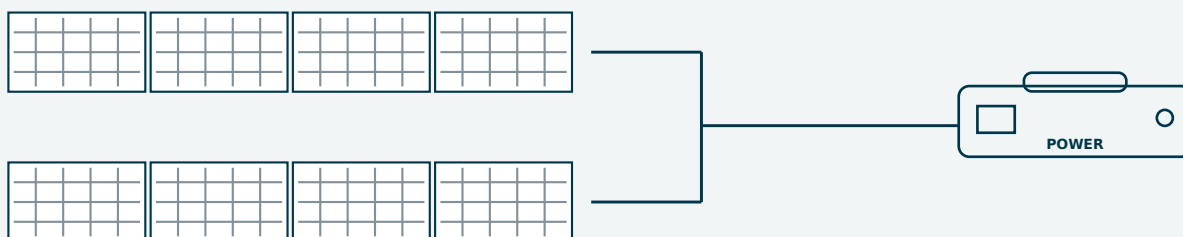
Operation Method

3



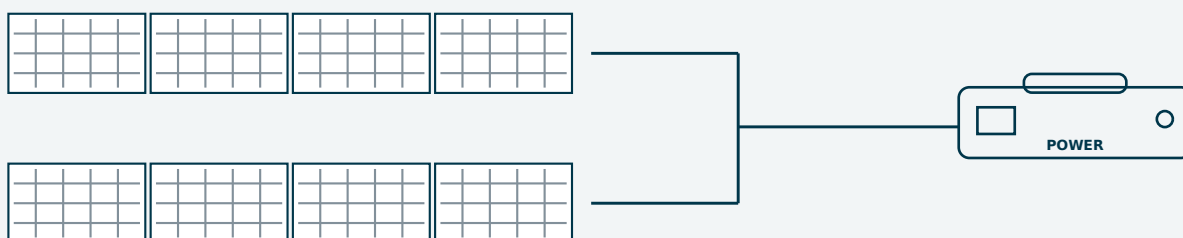
With DC, USB-A and Type C three output ports, can charge devices simultaneously.

4



Multiple solar panels in series. Increase the voltage power output at the same working current.

5



Multiple solar panel connection in parallel. Increase current power output at the same voltage.

Important

Make sure the voltage of the 2 solar panels is the same before using series or parallel connection. Also USB-A and USB-C ports cannot be used.



Technical Parameters

UC-100W

Model Number	UC-100	Peak Power	100W
Open Circuited Voltage	24V	Working Voltage	20V
Working Current	5A	Short-circuited Current	5.4A
USB-A	5V/3.4A, 9V/2.5A, 12V/2A	Weight	2.7kg
USB-C	5V/3A, 9V/3A, 12V/3A, 15V/3A	Folding Size	400 x 265 x 75mm
Warranty	12 Months	Unfolded size	1715 x 400 x 25mm

UC-200W

Model Number	UC-200	Peak Power	200W
Open Circuited Voltage	24V	Working Voltage	20V
Working Current	10A	Short-circuited Current	10.8A
USB-A	5V/3.4A, 9V/2.5A, 12V/2A	Weight	4.8kg
USB-C	5V/3A, 9V/3A, 12V/3A, 15V/3A	Folding Size	460 x 415 x 75mm
Warranty	12 Months	Unfolded size	2650 x 460 x 25mm

UC-400W

Model Number	UC-400	Peak Power	400W
Open Circuited Voltage	48V	Working Voltage	40V
Working Current	10A	Short-circuited Current	10.8A
Weight	9.2kg	Folding Size	665 x 570 x 75mm
Warranty	12 Months	Unfolded size	3690 x 665 x 25mm

Rated power test conditions

Rated power tested under standard test conditions: 1000W/m², AM1.5, 25°C

Precautions



- Solar panels cannot store energy. Batteries or energy storage systems are required for storage, or electrical equipment can be connected directly to the solar panels.
- When using the solar charging panel, do not expose charging devices such as mobile phones and tablets to direct sunlight to avoid overheating that may cause damage to the device.
- Do not bend, disassemble, hit or drop the solar panel, otherwise it will be damaged.
- Do not use the solar panel in the shade of trees, buildings or other obstacles.
- Do not scratch or puncture the solar panel with sharp objects, or throw or modify the product.
- Do not expose the solar panel to rain or moisture.
- Do not immerse the solar panel in water or other liquids.

FAQ

Why is the device charging so slow?

Q1. Whether it is cloudy or sunny, if the sun is blocked, this situation can cause the power of the solar charging panel to drop.

Q2. If the solar panel is not facing the sun vertically or is facing away from the sun, the charging power of the solar panel will decrease.

Q3. If the solar panel is shaded or placed behind glass window, the charging power of the solar panel will decrease.

Warranty

- The product warranty is only available to the original purchaser for a period of 12 months from the date of purchase.
- The condition of warranty do not apply to damage caused by subjective destruction, misuse, abusive modification, improper installation or operation.

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