115mm

215mm

FAQ

Q What factors may affect the solar conversion rate?

A a. The weather condition.

b. Working environment temperature.

c. The length of cable.

d. The angle from the panels to sunlight.

Q What is the method of cleaning the surface of solar panels?

A Remove dirt and dust from the surface first with a soft brush, then with a damp cloth. To prevent performance degradation, keep the surface of the solar panel clean.

Q Is it waterproof?

A Yes, the solar panel meets IP65 waterproof. In order to maximize the lifespan of the solar panel, please try not to get it wet or soak the solar panel into water.

WARRANTY

Warranty period

The warranty period is 12 months. In each case, the warranty period is measured starting on the date of purchase by the original consumer purchaser. The sales receipt from the first consumer purchase, or other reasonable documentary proof, is required in order to establish the start date of the warranty period.

After-Sales service

AlphaESS will repair or replace(at AlphaESS' option) any AlphaESS product that fails to operate during the applicable warranty period due to defect in workmanship or material.

IF IN NEED OF SERVICE, FEEL FREE TO CONTACT US.

⚙ www.alphaess-pps.com ✉ service.pps@alpha-ess.com

f @AlphaESSUSA

Not applicable conditions

AlphaESS' warranty does not apply to:

1). Any product that has been misused, abused, modified, accidentally damaged or used for anything other than normal consumer use as authorized in AlphaESS' current product literature.

2). Disassembly and repair by anyone other than professional service personnel of AlphaESS.

3). Damage caused by force majeure (such as lightning, fire, earthquake, flood and other natural disasters).

WARRANTY CARD

Please send back information required below, which will be helpful for us to have a fast solution for your issue.

Customer support: service.pps@alpha-ess.com

WARRANTY	
Buyer name	
Email address	
Order ID	
Serial number	
Issue details	

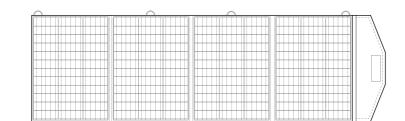*Upload proof of purchase & photos of the device itself with AlphaESS logo showing.

Alphaess

S P 2 0 0

200W FOLDABLE SOLAR PANEL

User Manual

PACKING LIST

200W FOLDABLE SOLAR PANEL *1

Included accessories:

DC5525
Conversion Cable(78") *1

Anderson
Extension Cable(78") *1

DC7909 Converter *1

DC5521 Converter *1

SPECIFICATIONS

MODEL	SP200
Maximum Power	200W
Max Power Voltage	19.8V
Max Power Current	10.1A
Open Circuit Voltage	23.7V
Short Circuit Current	10.6A
Connector Type	Anderson
Cell Type	Monocrystalline
Operation Temperature	14~149°F(-10~65°C)
Folded Dimensions	518*689mm
Unfolded Dimensions	2300*689mm

WARNING

*Do not bend the solar panel.

*Do not immerse the solar panel in water.

*Do not clean the solar panel with water, just wipe gently with a damp cloth.
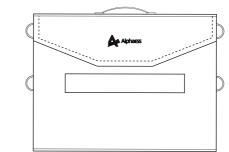
*Do not use or store the solar panel near a fire.

*Do not puncture the casing with nails or other sharp objects, step on it, or strike it.
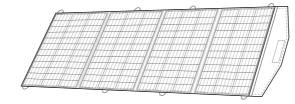
*Do not attempt to disassemble or modify.

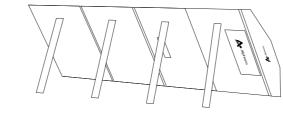*Please avoid contact with highly corrosive items.

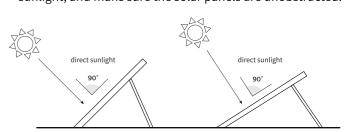## OPERATION

1 Remove the product from the box.

2 Unfold the portable solar panel.

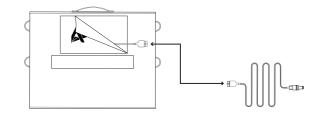**3** Prop up the kickstands of the portable solar panel.

4 In order to increase the efficiency of the Solar Panel, use it in direct sunlight, position it perpendicular to the sunlight, and make sure the solar panels are unobstructed.
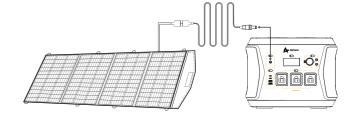

5 Take out the cables and converter you need.

（Tip: To charge BlackBee 1000, you need a DC5525 conversion cable.）

6 Connect the SP200 to your energy storage device.

*Note：Please confirm whether the voltage of SP200 is suitable for your energy storage device. （Tip: The input voltage of BlackBee 1000 is 12~24V, and the output voltage of SP200 is within its effective range.）