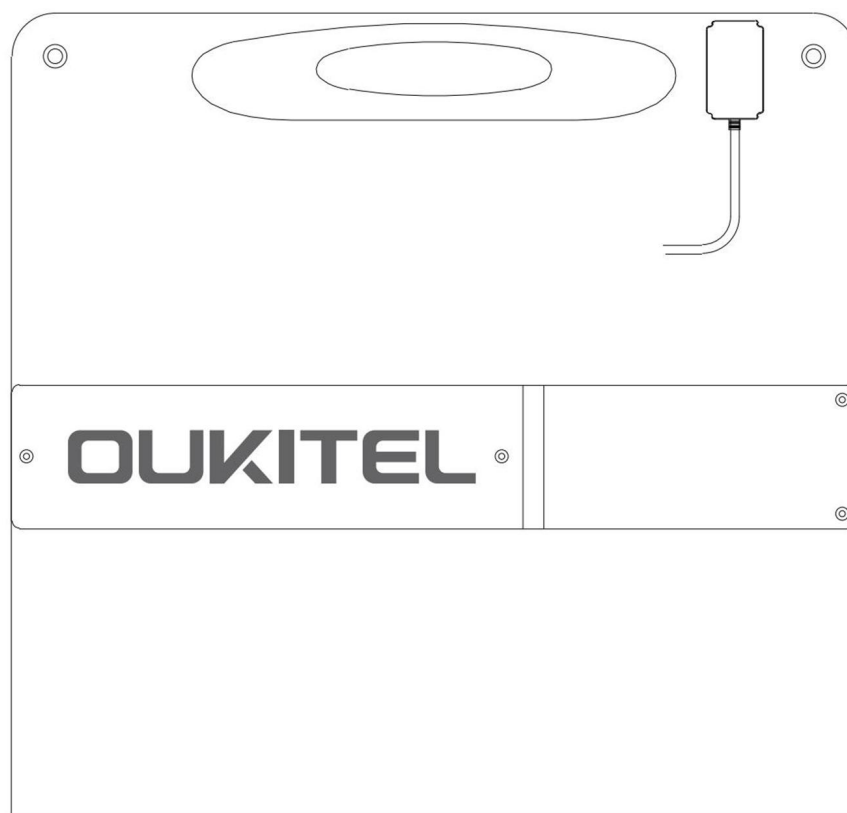


# OUKITEK

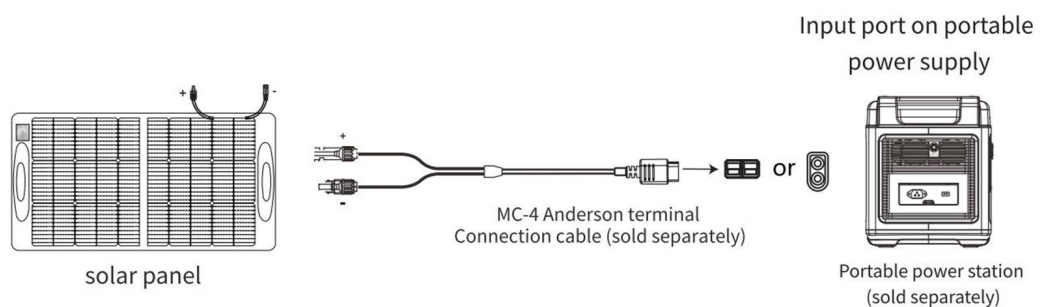
## Solar Charger



**100W waterproof solar panel**

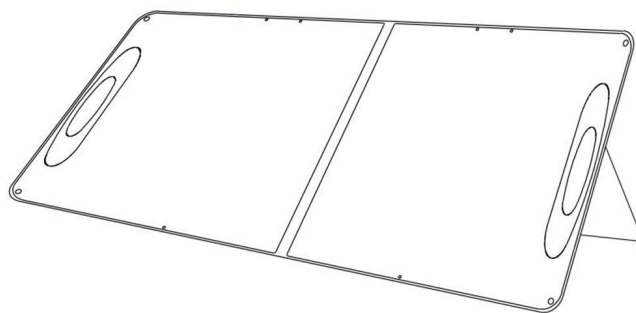
**an instruction manual**

## Connection Method

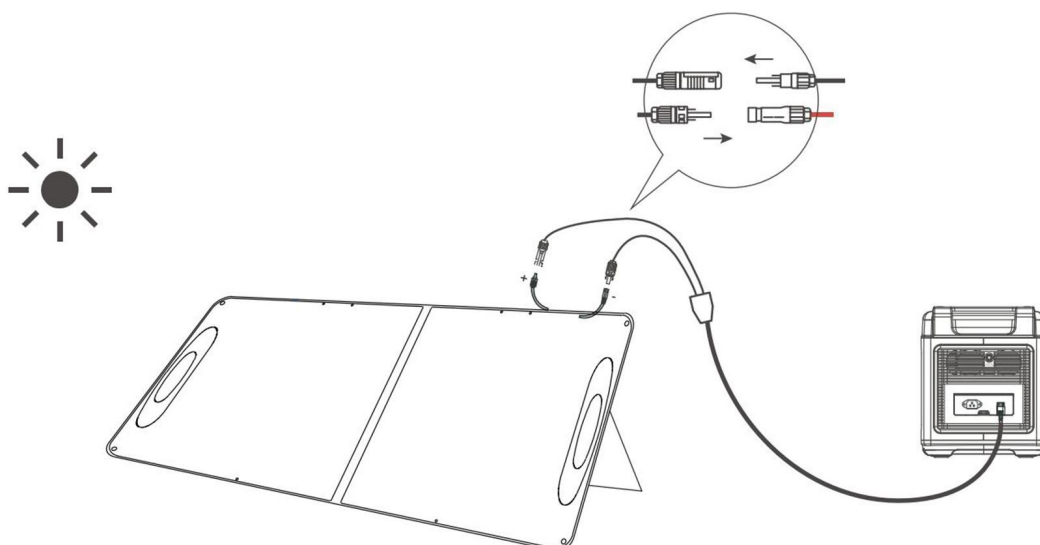


## How to use

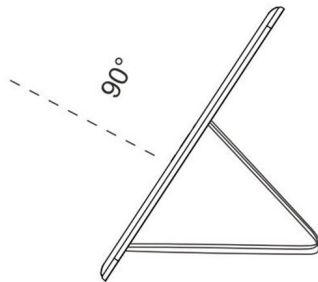
- 1 Remove the solar panel.



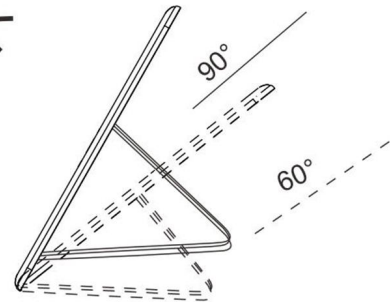
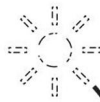
- 2 Connect the MC4 terminal connector on the solar panel to the PV terminal on the connecting cable. (Sold separately)



- 3 If solar panels are oriented so that they are constantly exposed to full solar radiation, they can generate electricity more effectively.



- 3 The solar panel can also be used in an upright position and should be placed at an angle of  $60^{\circ}$  -  $90^{\circ}$  to the ground for charging.



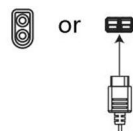
## Series and parallel connection methods

### Parallel connection (see diagram below)

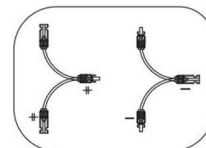
1. Connect the positive and negative poles of the two solar panels in parallel with the MC4 parallel cable (see diagram below).
2. Connect the sink connector of the MC4 parallel cable to the MC4- PV terminal cable.
3. Then connect the MC4- PV terminal cable to the PV port of the product to charge the product.



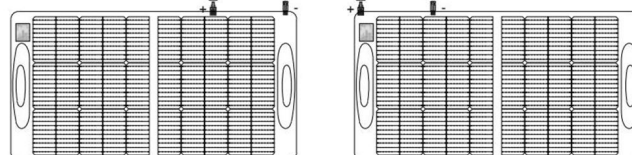
Product body



or



Cable for parallel connection  
of solar panels  
(sold separately)

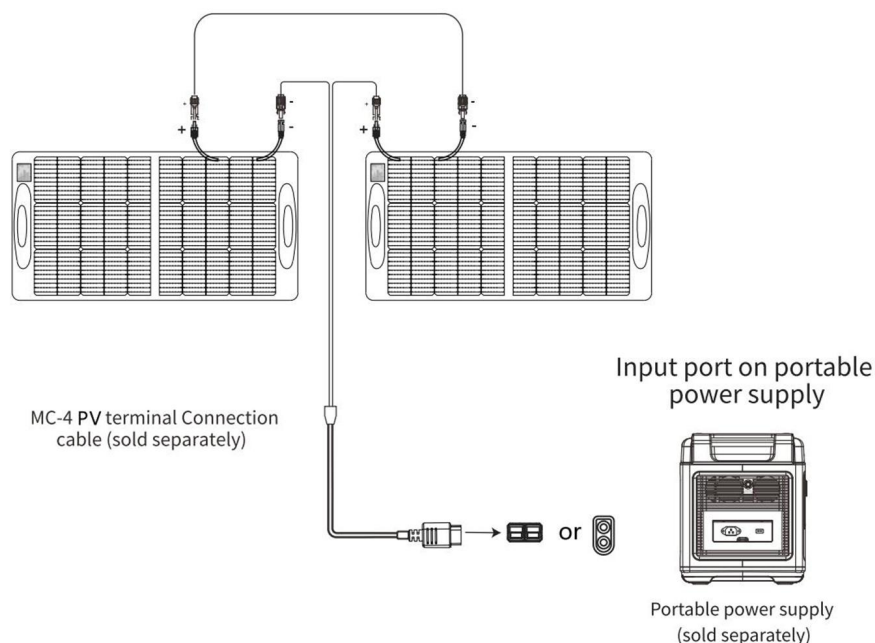


Solar panels A

Solar panel B

**Series connection**  
(see diagram below)

1. Connect the positive and negative MC4 connectors of the two solar charging panels in series.
2. After series connection, connect the positive and negative of the remaining two MC4 ports with the MC4 to PV terminal cable.
3. Next, connect the MC4 to PV terminal cable to the PV port of the main product to charge the product.



## 100W solar panels

Maximum power output: 100W (+/-5W)

Open circuit voltage: 21.9V $\pm$ 5%

Short-circuit current: 6.44A $\pm$ 5%

Rated voltage: 18V $\pm$ 5%

Freeze current: 5.56A $\pm$ 5%

Efficiency :  $\geq$ 24.8%

Battery type Type: monocrystalline silicon

Connection method: MC4

Operating temperature:

+25°C (-10° C to 65° C)

## (technical) specification

Weight: 4.5KG $\pm$ 0.3KG

Developed size (L x W x D): 1137\*591\*21mm

Storage size (L x W x D): 562\*591\*35mm

Warranty: 12 months

## Safety certification



## Precautions.

- (1) Do not bend the solar panel (do not bend it lower than a 30° angle) as this may cause damage.
- (2) The solar panel is IP68
- (3) Please avoid use and storage near fire and heater.
- (4) Please do not damage the product with nails or sharp objects and avoid stepping on it.
- (5) Disassembly is prohibited.
- (6) Avoid the use of corrosive chemicals.

## Frequently asked questions

Q: Are those solar panels waterproof?

A: Yes. The surface is IP68

Q: What is the rated power of solar panel ?

A: 100W

Q: Does it support to charge the USB appliance?

A: No

Q: Does this monocrystallin or polycrystallin panels?

A: It is equiped with high quality monocrystalline

Q: Does this unit waterproof? Can these solar panels be permanently instaled outside?

A:Yes,It is waterproof , The product can be permanently installed outdoors.

## enquiry

1-year limited product warranty

If you have any questions, please contact us by phone and email



Customer Support Email:support@oukitelpower.com  
power@oukitel.cc

Official Website:us.oukitel.com