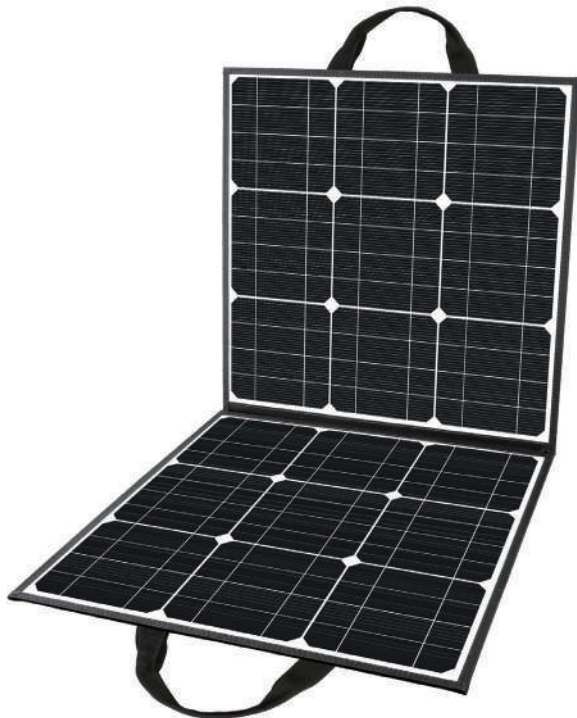


# 50W 18V Solar Panel User Manual

With Warranty Card



***FlashFish***

**SP18V50W**

**Foldable Solar Panel  
Monocrystalline silicon**

**High Efficiency**

Thank you for purchasing the [50W 18V Solar Panel Charger].

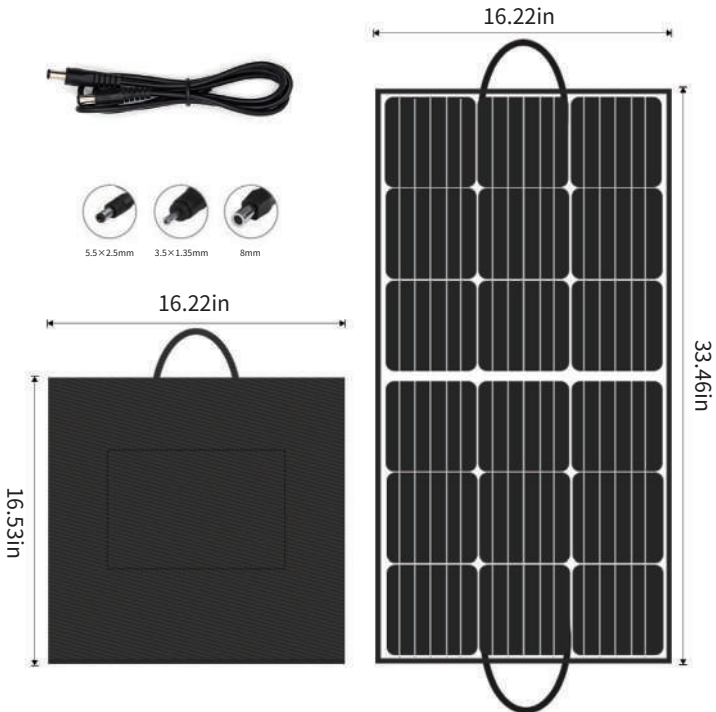
Please read this user guide carefully and understand the contents before use, in order to use this product correctly.

We hope that it will be helpful especially for customers who use this product the first time. In addition,

we recommend to always keep this manual.

# Technical Specification

Model	SP18V50W
Solar Cells	Monocrystalline silicon
Product Dimension	16.22×16.53in (folded) 33.46×16.22in (unfolded)
Weight	3.3 lb
DC Output	18V /2.78A(Max)
USB	5V/2.1A USB × 1, QC3.0 USB × 1
Wattage	50W
Cell Efficiency	21.5%-23.5%



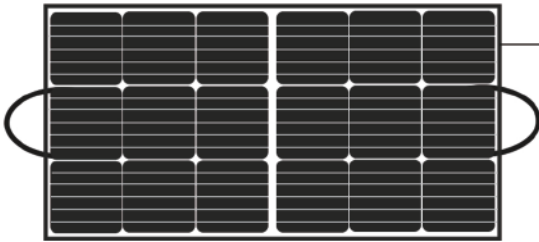
## Contents:

- 18V/50W Solar Panel x1
- 18V DC Cable 5.5x2.1mm x1
- 8mm Connector x1
- 5.5x2.5mm Connector x1
- 3.5x1.35mm Connector x1

## Connections:

To ensure maximum possible output we recommend that the solar panels are regularly re-aligned to follow the sun's movement. Wipe the solar panel with microfiber cloth for maximum efficiency.

### DC Output: Plug in the 18V DC5521 cable to connect the solar panel and portable power station



Flashfish 18V/50W Solar Panel

Male DC5521  
Cable Included

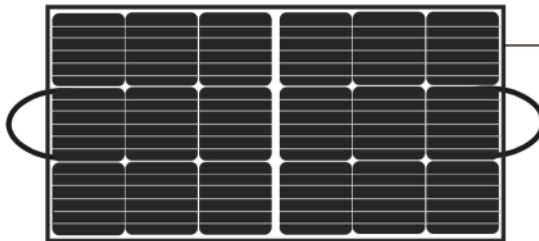


DC Input

#### Compatible With:

DC 5.5\*2.1mm  
DC 5.5\*2.5mm  
DC 3.5\*1.35mm  
DC 8mm

### USB Output: Plug in your usb cable to connect the solar panel with your electronics



Flashfish 18V/50W Solar Panel

USB Cable  
Not Included



USB Input

#### Charge For Your:

Telephone  
Tablet  
USB Light  
USB Fan  
More

**Note:**

1. Solar panel charge conversion depends on the angle of direct sunlight, temperature, weather, charging time
2. Always face the front side of solar panel toward the sun to get maximum efficiency
3. Please make sure the solar panel is completely unfolded when using
4. Solar panel can not store power, can only convert the sun power to electricity energy

**Safety Tips:**

- Do not bend the solar panel or the panel will be broken.
- Do not immerse the solar panel in winter.
- Do not clean the solar panel with water, with the wet cloth gently scrub it.
- Do not use or store the solar panel near sources of heat such as fire or heater.
- Do not put the solar panel into a fire or apply direct heat to it.
- Do not pierce the solar panel casing with a nail or other sharp object, break it open with a hammer, or step on it.
- Do not attempt to disassemble the solar panel in any way.
- This product cannot contact with strong corrosive objects.
- Do not charge automotive battery directly.

# Warranty Card

Warranty Period	12 months from the date of purchase		
Purchase Date	Year	Month	Day
Product Name	50W 18V Foldable Solar Panel		
Brand	Flashfish		

Thank you for buying from Flashfish

If you have any questions or need technical support, please contact us directly via the follow contact details. When you apply for a return or replacement, please remember to provide us some pictures or a video regarding the exact issue of the product. So that we can handle the after-sales service for you in the first time.

**Email: [info@flashfishtech.com](mailto:info@flashfishtech.com)**

**Website: [www.flashfishtech.com](http://www.flashfishtech.com)**



Flashfish warrants our products to the original purchaser that the solar panel is free from defects in materials and workmanship. You can choose between a refund or replacement where goods are faulty or doesn't do what is is supposed to do for 12 months from the date of purchase.

Damages from normal wear and tear, alteration, misuse, neglect, accident, service by Warranty anyone other that authorized service center are not included.



**Made In China**