

A scenic mountain landscape with a red tent and solar panels. The background features rugged, snow-dusted mountains under a cloudy sky. In the foreground, a red tent is pitched on a grassy slope. Two large, black, portable solar panels are positioned in the middle ground, partially overlapping the text. The overall scene suggests a remote, outdoor setting where solar power is being used for energy.

INTRODUCING FELLOW PORTABLE SOLAR PANEL



FELLOW 100W PORTABLE MODULE

Efficient Photovoltaic Conversion:

Fellow Energy owns its own solar panel factory. Fellow's solar panels boast a conversion efficiency of over **23.2%**, ensuring reliable quality that has earned widespread recognition from customers.

Lightweight Foldable Design:

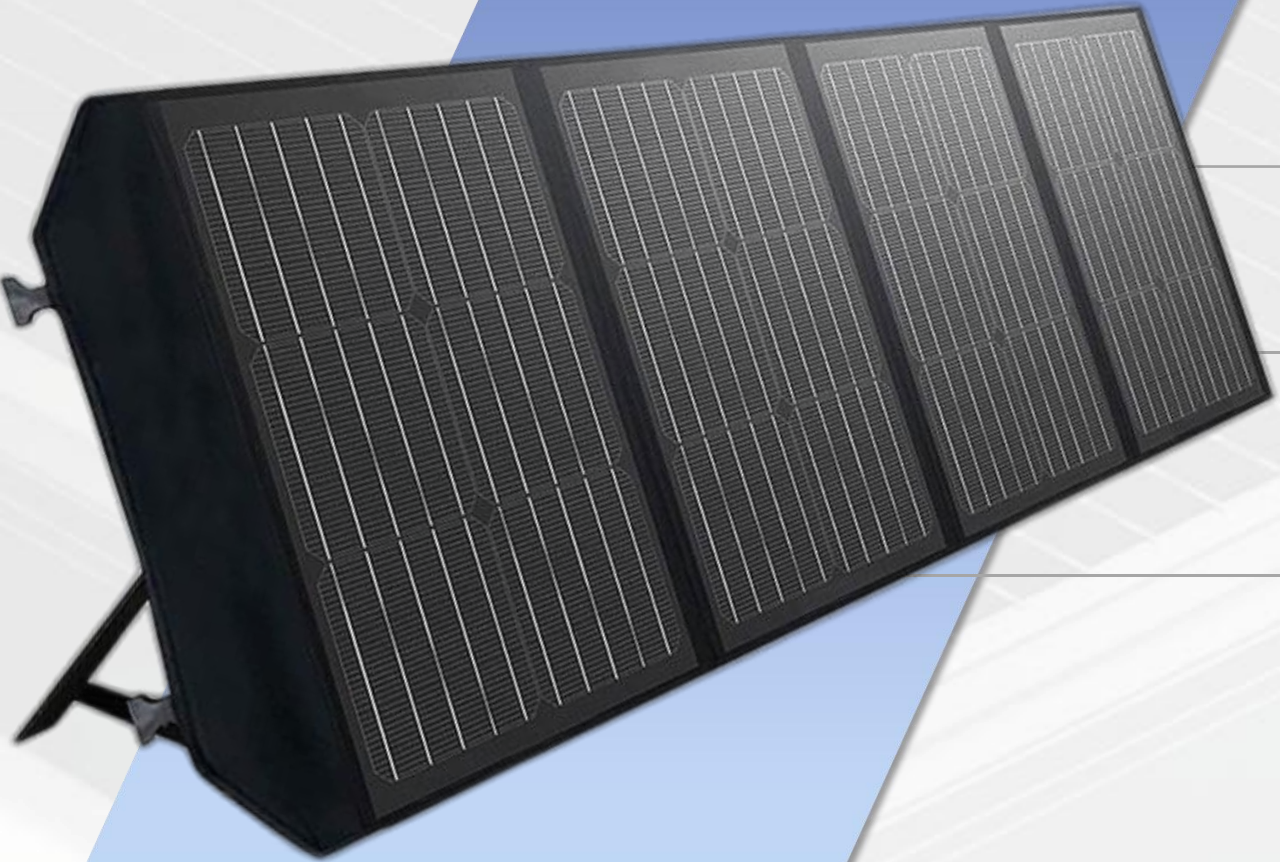
FELLOW 100W PORTABLE MODULE features a lightweight and foldable design, weighing **1,450 grams**. with folded dimensions of **37.5*38cm**, making it convenient to carry in most scenarios.

Compatible with various devices:

FELLOW 100W PORTABLE MODULE is compatible with most electronic devices. It supports fast charging for both smartphones and computers. It can simultaneously **charge three devices at once**.

Waterproof & Dustproof Material:

FELLOW 100W PORTABLE MODULE is equipped with high-quality outer packaging materials and boasts an **IP65** protection rating, ensuring resilience against most harsh environments



Best Quality
Solar Cell



23.2% Greater
Efficiency



Higher power
generation



Portable &
Foldable

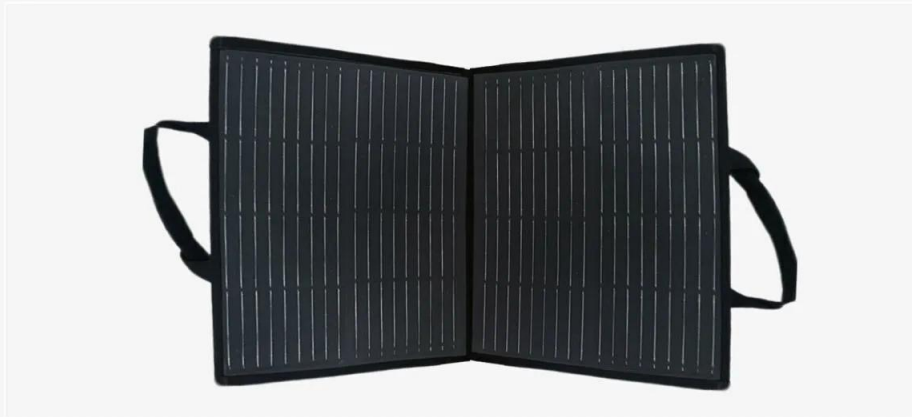


IP65
Waterproof

FELLOW 100W PORTABLE MODULE



FELLOW 50W PORTABLE MODULE



FELLOW 18W PORTABLE MODULE



CHARGING ALL OF YOUR DEVICES



USE IT EVERYWHERE

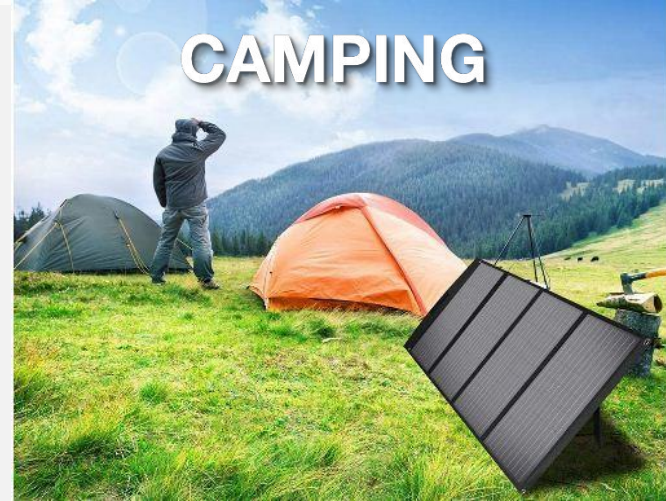
RV



PICNIC



CAMPING

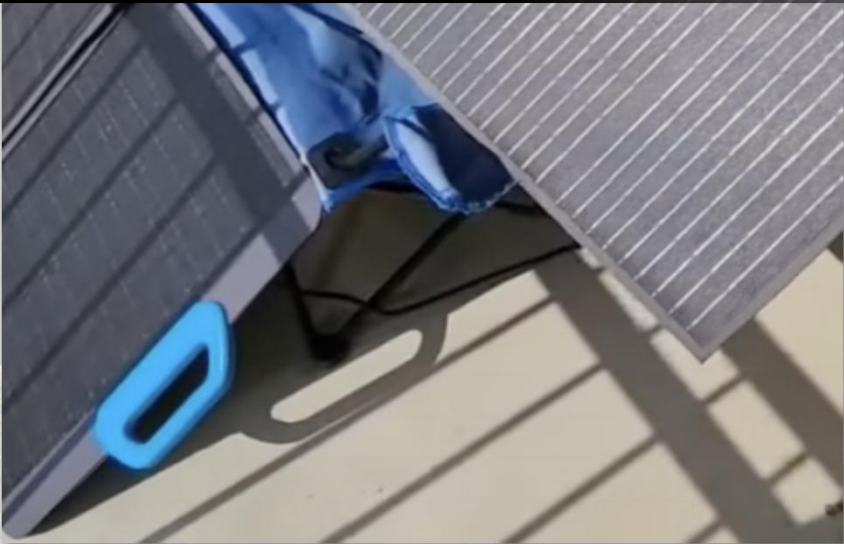


BEACH





**AND MORE SCENARIOS
WAITING TO BE EXPLORED**

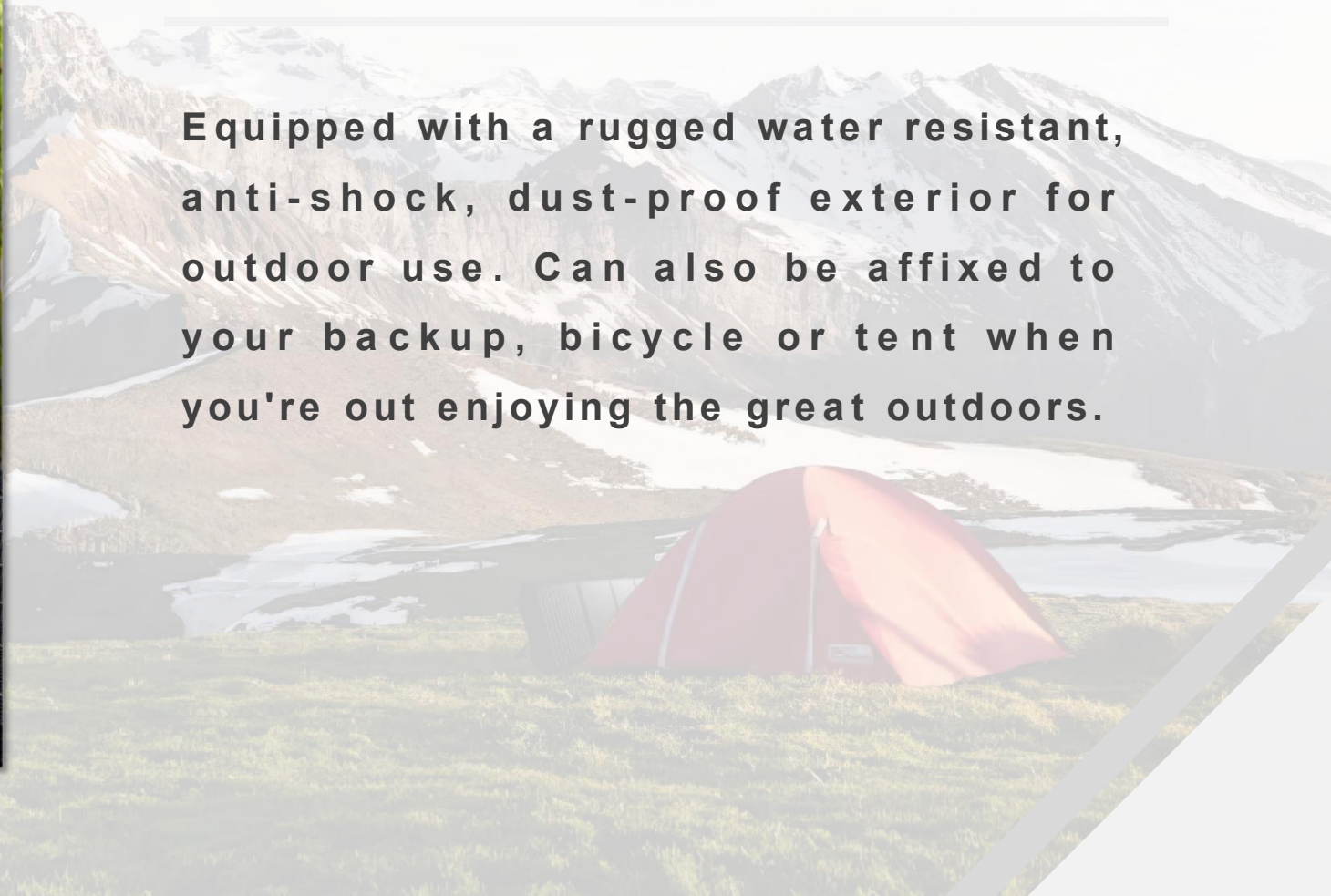




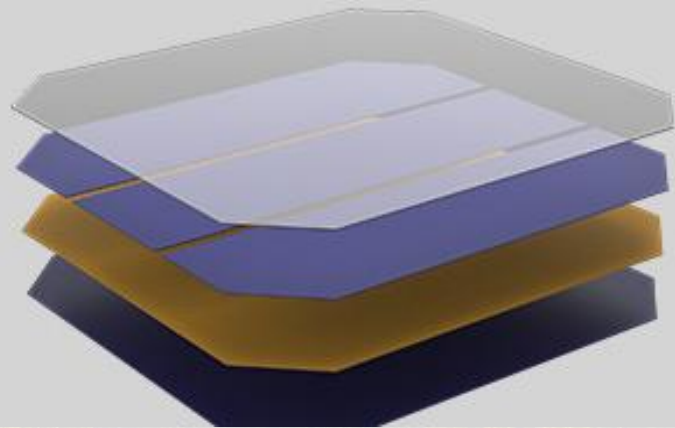
**FELLOW 100W
PORTABLE MODULE**

Waterproof & Durable

Equipped with a rugged water resistant, anti-shock, dust-proof exterior for outdoor use. Can also be affixed to your backup, bicycle or tent when you're out enjoying the great outdoors.



High Quality



Fellow 100W solar cell is made from more solid material of good quality, up to **23.2%** efficiency, providing endless power for laptop and other battery under sun.

Portable&Compact

It can be folded as a briefcase size (141x37cm Unfold Size, 36x37cm Folded Size 1.4kg) for easy transport and great for any outdoor hiking or camping.



COMPATIBLE FOR MOST SOLAR GENERATOR



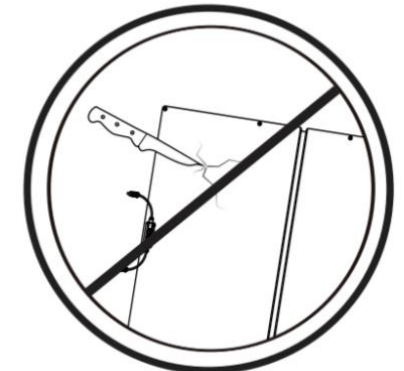
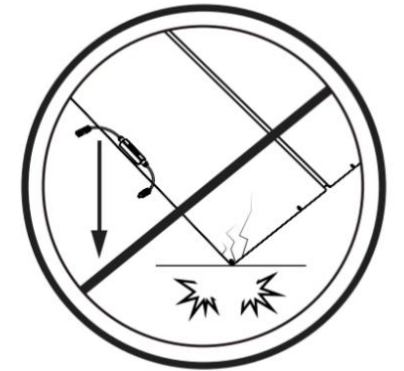
FELLOW 100W PORTABLE MODULE DATASHEET

Product Name	FELLOW 100WATTS PORTABLE MODULE
Pmax	100 Watts
VMP	18.2V
IMP	5.29A
VOC	21.82V
ISC	5.49 A
FF	80.37%
CELL	Monocrystalline 166
Temperature range	-40C/+75
Jbox output	DC5521 USB(QC3.0): 5V/3.4A、9V/2A、12V/1.5A、 Type-C:5V/3A、9V/3A、12V/3A、15V/3A、20V/3A
Power Tolerance	±3%
Ce11 EFF	23.20%
Folded Size	36*37cm
Unfolded Size	141*37cm
Weight	1,450 grams

Things to Remember When Using Solar Panel

1. As the efficiency of solar panels depends upon light intensity and the tilt angle used, the charging power of the panel may be affected by a number of factors such as weather conditions, seasonal changes and location. The installation and connection of this product should be carried out strictly in accordance with the instructions found in the User Manual.
2. Only the main body of this product is waterproof. The junction box and connection points should not be immersed in water.
3. This product must not come into contact with highly corrosive substances, or be immersed in corrosive liquids.
4. To avoid damaging the product, do not use sharp objects on the surface of the panel, and do not knock or impact the product.
5. Do not apply pressure to the panel or allow the panel to be dropped on any of its corners, sides or faces. Such actions may result in damage to the solar panel.
6. The panel must not be knocked, exposed to heavy pressure, or bent during transport, rotation or installation. We recommend that the panel is kept in a vertical position when being moved or stored.
7. When storing the panel, always ensure that the positive and negative terminals of the junction box are not exposed to sunlight.
8. To avoid the risk of injury, this product and its junction box must only be opened or disassembled by qualified personnel.
9. Unwanted solar panels must be disposed of in accordance with the local legal requirements.

Avoid



Does the FELLOW 100 Watts Solar Panel generate a full 100W of power?

In most cases, it is normal for a solar panel not to deliver its full nominal power. Some of the reasons why this happens, as well as some suggestions for getting closer to the nominal power figure, are given below.

1. Light Intensity. The amount of light shining on the panel will result in fluctuations to the power output.

You are more likely to achieve nominal power output figures closer to those obtained under test conditions when using the product on a clear day during the midday sun, than when using the product in the morning or later in the afternoon. Weather conditions will also affect the amount of sunlight that shines on the panel. For example, you are much less likely to achieve the figures for nominal power in hazy, cloudy or rainy conditions.

2. Surface Temperature. The temperature of the solar panel surface will also affect the amount of power generated. The lower the surface temperature of the panel, the more power will be produced. For example, solar panels generate more power when used during the winter than during the summer, and this is completely normal. Solar panels generally reach temperatures close to 60°C (140°F) during summer. This reduces nominal power by 13%, despite the higher levels of light shining on the panel.

3. Sunlight Angle. In optimal light conditions, the sun's rays should remain perpendicular to the surface of the panel for best performance. The difference of ± 10 degrees of 90 degrees of sunlight hitting the panels has little effect on the power.

4. Panel Shading. The surface of the solar panel should not be shaded during use. Shading caused by shadows, foreign objects and glass can all greatly reduce power output.

Performance Issues Caused by Malfunctioning Panels: If the panel still isn't generating power or its output remains far below expected nominal power figures after addressing the issues above, there may be an issue with the panel itself. Please contact Customer Support for assistance.

FAQs

1. Does the 100W/50W Solar Panel give a full 100/50W watts of power?
Under optimal conditions the 100W/50W Solar Charger can deliver up to 80-90/ 30-40 Watts of power, but the angle of the panels and the weather can impact its performance.

2. Is the 100W/50W Solar Panel water resistant?
The 100W/50W Solar Panel is made of water resistant material, making it durable and easy to use in the outdoors.

3. Can I chain multiple 100W/50W Solar Panel together?
The chainable feature enables you to chain a maximum of three 110W/60W solar panels together with the MC4 cable.

A scenic mountain landscape with a red tent and a black cooler. The scene is set in a high-altitude environment with snow-dusted mountains and a green meadow. A red tent is pitched on the right side of the foreground, and a black cooler is lying on the grass next to it. The background features rugged, snow-capped mountain peaks under a cloudy sky. The text "THANK YOU FOR WATCHING" is overlaid in the center in a large, white, sans-serif font.

**THANK YOU FOR
WATCHING**