

GGXingEnergy®

**Foldable Solar Panel for Camping**

GGXing Energy is the original foldable solar panel for camping factory and supplier located in China, who are integrating R&D, design, production, sales and service. We can provide flexible cooperating ways, wholesale, customization, drop shipping service all can work well. Do not hesitate to contact us.

100 Watt ETFE Foldable Solar Panel for Camping

Now there are lots of foldable solar panels for camping are online. This GGXingEnergy® 100 watt foldable solar panel for camping is very worthy to buy. It is actually with a very good price and quality rate.



100 Watt ETFE Foldable Solar Panel for Camping Parameter

| | |
|---------------------------------|---|
| Solar Panel Max Power | 100W |
| Solar Type | A-grade monocrystalline solar cell |
| Solar Cell Efficiency | 22% |
| Optimum Operating Voltage (Vmp) | 18V |
| Optimum Operating Current (Imp) | 5.5A |
| Open-Circuit Voltage (Voc) | 21.5V |
| Short-Circuit Current (Isc) | 6.1A |
| Solar Panel Folds | 2 |
| Output | USB Port: 5V/2.1A (max) QC3.0 Port: 5V-3A or 9V-2.5A or 12V-2A, 24W (max) TYPE-C Port: 5V-3A or 9V-3A or 12V-3A or 15V-3A or 20V-3A, PD60W (max) DC Port: 18V/5.5A (max, at no-load condition) |
| Test Condition | STC Irradiance 1000W/m ² , TC=25°C, AM=1.5 |
| Operating Temperature | 14°F—149°F (-10°C—+65°C) |
| Extended Size | 42.52*21.26*0.98inch |
| Folded Size | 21.26*21.26*1.57inch |
| Weight | 8.15lbs |
| Color | Black / Camouflage |
| Warranty | 1 year |
| Certification | CE / RoHS |

100 Watt ETFE Foldable Solar Panel for Camping Description

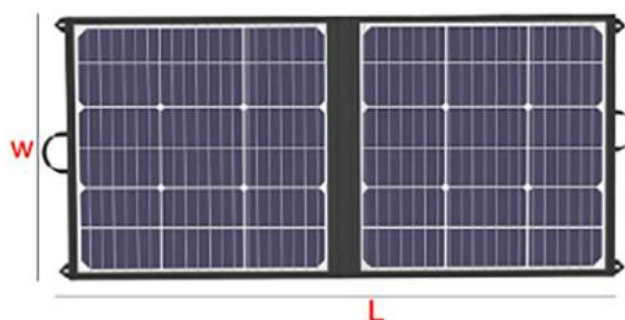
1), Simple design but high portability

This GGXingEnergy® 100 watt foldable solar panel for camping is designed to let the operation be more simpler. It is not 4 or 5 folds again, but only 2 folds. Because there are less solar panels, you can finish the opening and folding of the foldable solar panel for camping via the top Velcro very quickly and easily. It is also with a comfortable handle to provide super convenience for your carrying. What's more, such a simpler design can also have more competitive price.

Dimensions(Unfolded):
42.52*21.26*0.98inch

Dimensions(Folded):
21.26*21.26*1.57inch

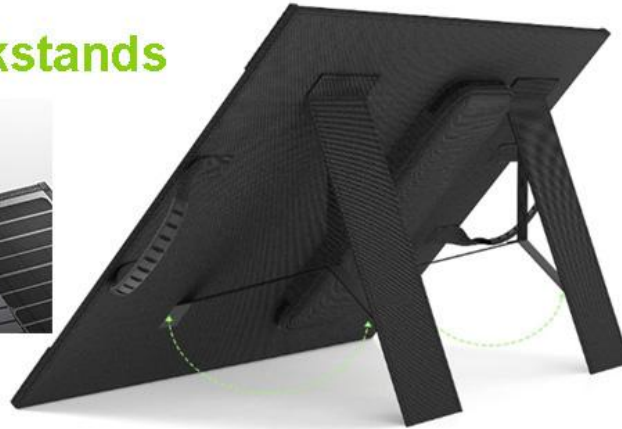
Weight:
8.15lb



2), Equipped with kickstands

One reason for the output power reducing from the foldable solar panel for camping is the angle facing to sunlight. In order to realize the convenience for adjusting the angle of the foldable solar panel for camping, the two solar panels are both added a kickstand at back. And this kickstand will be strong enough, never matter it is long time exposed under high temperature to be melted or left in wind to be blew down. Because it is made from aluminum.

Adjustable Kickstands

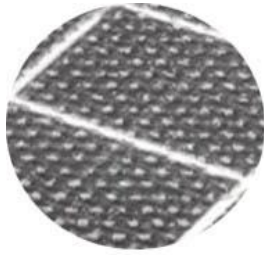


3), Advanced ETFE technology for the foldable solar panel for camping

We always say ETFE craft is better. And what are its advantages?

Firstly we can see its difference as per the surface. The surface is uneven, not smooth again. Once sunlight is exposing on the solar panel, more exposing area will be available due to the refraction. So that the sunlight converting rate will rise compared to the smooth surface.

Then the ETFE material is with better chemistry features. Due to better heat and corrosion resistance, it can actually make such a foldable solar panel for camping serve longer time in the terrible outdoor use condition.



Scratch-Proof

Higher Light
Transmittance

Durable

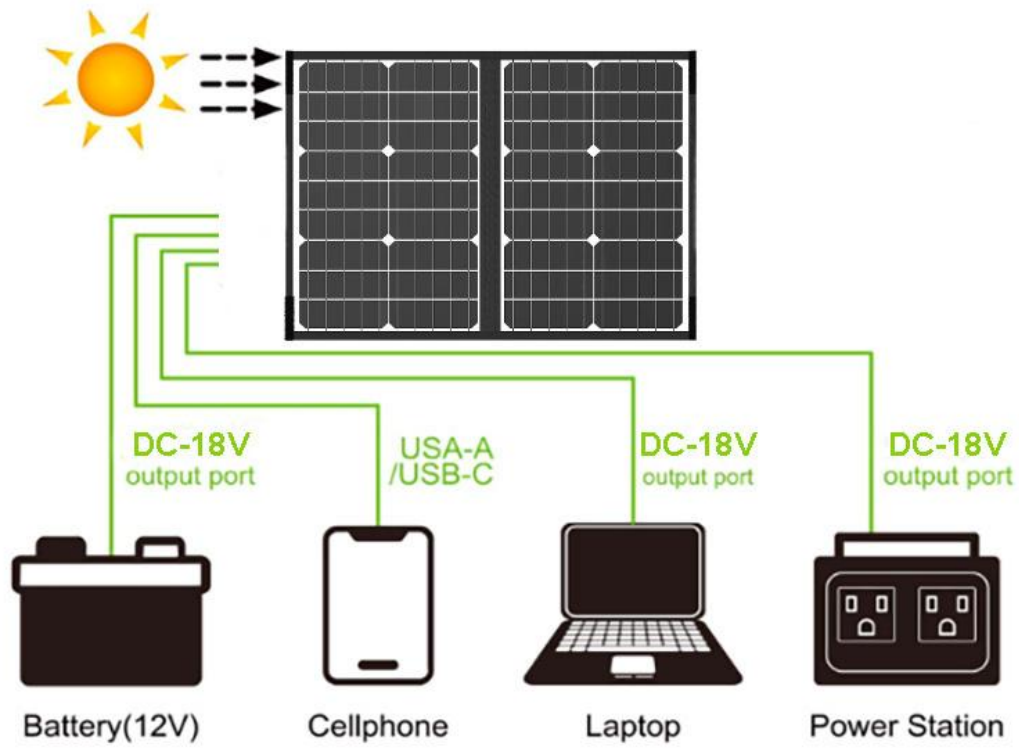
Temperature
Resistant

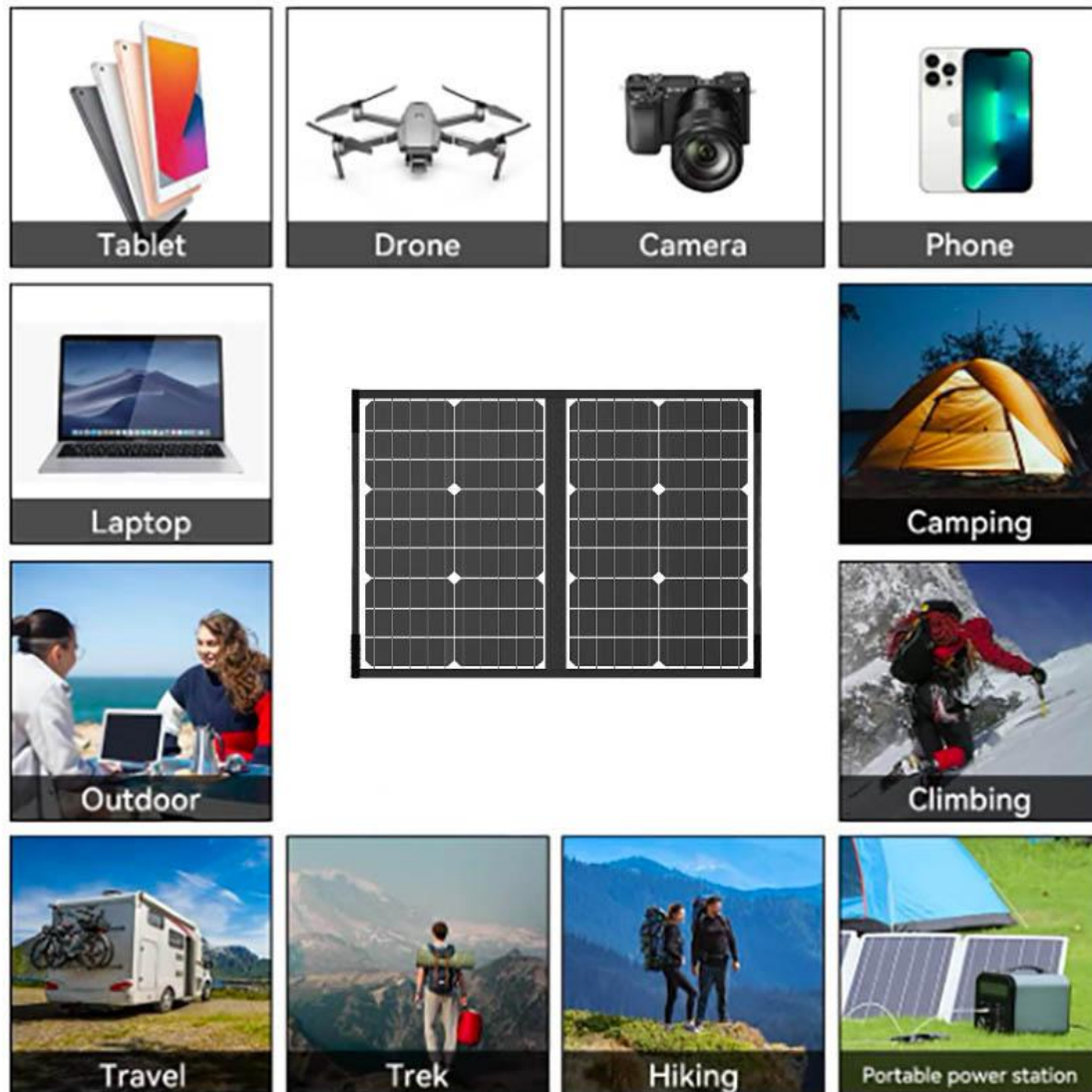
ETFE Lamination



4), Wider compatibility

Such a large power 100 watt foldable solar panel for camping is not only with a single 18V output again. Besides charging the laptop and other DC 18V input units or a 12v car battery, it can also charge an USB supported and QC3.0 / PD protocol electronic devices. And when you can not find the charging source for your portable power station, this GGXingEnergy® 100 watt foldable solar panel for camping can solve the trouble for you.





100 Watt ETFE Foldable Solar Panel for Camping Use Tips

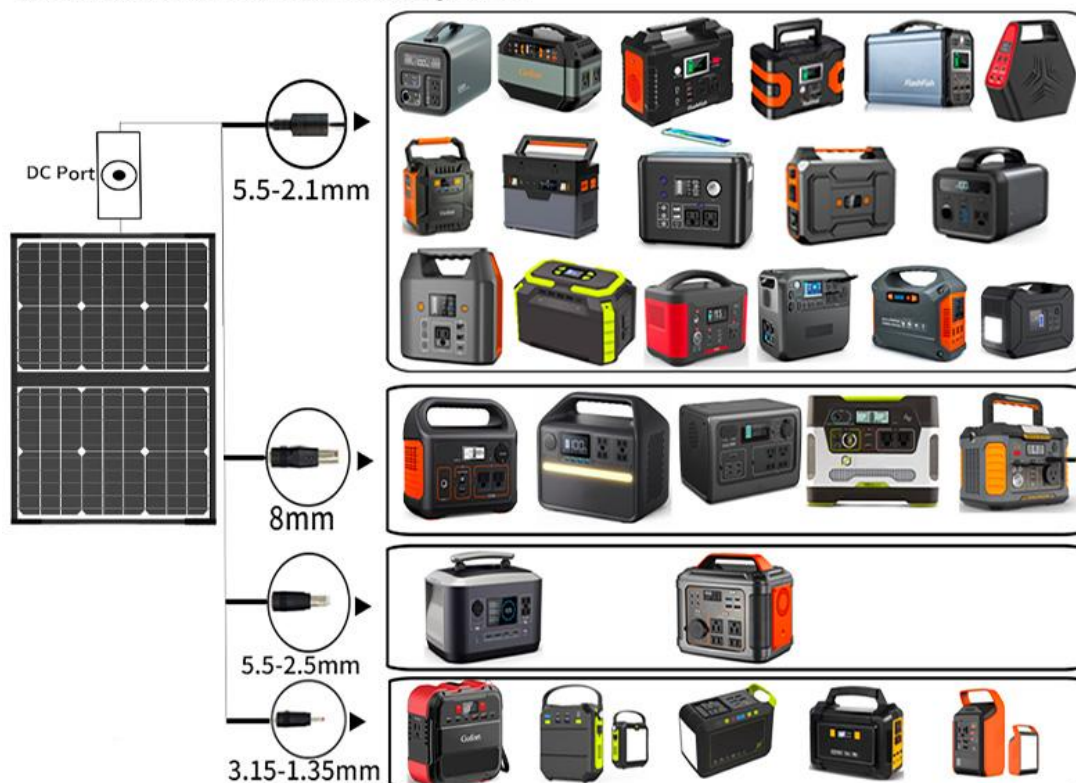
1), Regarding the real output power of the GGXingEnergy® 100 watt foldable solar panel for camping
A problem for all kinds of solar panels is the output power will be less than declared specification in real usage. This is because the foldable solar panel for camping is powered by direct sunlight, not a battery which can store energy to produce out stable output. Also the unreasonable use way may obtain poorer sunlight, and in addition to the working consumption on loads, you will get different power losing percent during use.

2), Regarding the compatible products for GGXingEnergy® 100 watt foldable solar panel for camping
Such a 100 watt foldable solar panel for camping is only with DC output. The DC 18V port can charge a laptop with DC 16V-24V input. There will be 10 DC adapters suiting for brands of laptops, except Macbook. But it can be charged by the Type-C port via its original type-c charging cable.
And when charging a 12V battery, we suggest to match a solar controller to protect the charging. There is no any circuit in the DC 18V port for this 100 watt foldable solar panel for camping to do the protection. When choosing the solar controller, please firstly confirm whether it is suitable for your battery. Firstly your battery is 12V (if a 24V battery, you will need 36V solar panel), and if it is lithium

battery, please must ensure the solar controller can work on lithium battery. Or you can inquiry us for any doubt.

When charging a portable power station, we suggest to confirm its charging parameter. For example, if it only accepts max current 3A, we suggest to choose a 60w foldable solar panel for camping. This 100 watt foldable solar panel for camping is 18V 5.5A max. There already include 4 connectors for general models of portable power stations on market. If you do not find the right one for you, please do not worry and you can contact us to add it for you.

Different sizes of DC connectors for most solar generators



For the USB and QC 3.0 / Type-C port, if the device can be recharged by an USB or type-c cable, normally there is no problem for the charging via this 100 watt foldable solar panel for camping. Please kindly use your own charging cable, because the non-original cable may not work well.

3), Regarding the waterproof explanation for GGXingEnergy® 100 watt foldable solar panel for camping

The 100 watt foldable solar panel for camping can provide IP54 dust and water resistant protection. The ETFE surface can perform well for dust resistance than former panels, because it is with a kind of self-clean function. The cloth cover is a waterproof material. But the foldable solar panel for camping is still a sewing craft, we do not suggest to soak it in water or leave it in heavy rain. Water splashing on surface will be no problem, but never for the output ports. If you need higher waterproof level, we can recommend a different model.

MONOCRYSTALLINE SOLAR PANEL



Waterproof



Dust Resistant

ETFE TECHNOLOGY



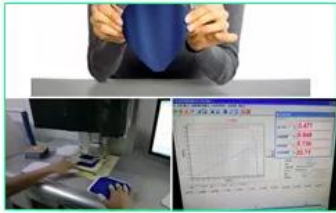




Certification



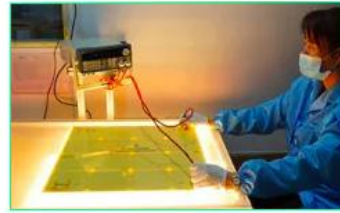
Production Process



Power output testing for solar cell



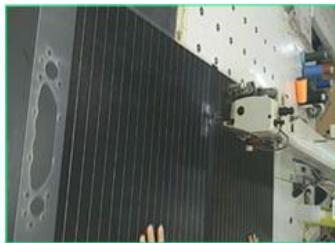
Solar panel lamination



Power output testing for solar panel



Pre-production preparation



Sewing on the solar panels



EL testing for foldable solar panel



Power output testing for finished product



Finished products waiting for clean



Finished products waiting for packing

Packing & Transport



Exhibition

