

GGXingEnergy®

Portable Solar Panels for Camping

GGXingEnergy has involved in the portable solar panels for camping for several years. Our aim is providing the best products and doing best work for customers. As one of the China portable solar panels for camping manufacturers, our advantages are not only for the good price and quality, but also for our reliability. If you want to buy the portable solar panels for camping, just take a look at our products.

100Watt ETFE Portable Solar Panels for Camping

This GGXingEnergy® 100watt portable solar panels for camping is updated to ETFE craft, which will have better quality grade and longer service life. It is designed to be portable and foldable, greatly for camping, travelling, off grid trip, driving, fishing, and other outdoor activities or providing a charging source for emergency.

22%
efficiency

easy carry



kickstand



foldable



camping



fishing



travel



home

100Watt ETFE Portable Solar Panels for Camping Parameter

Solar Panel Max Power	100Watt
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
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	46.26in * 20.67in * 0.2in
Folded Size	23.03in * 20.67in * 4.57in
Weight	8.16lbs
Color	Black / Camouflage
Warranty	1 year
Certification	CE / RoHS

100Watt ETFE Portable Solar Panels for Camping Description

A, A large jump for quality

No matter for the converting efficiency or the durability, the ETFE craft will perform well than the general PET portable solar panels for camping. Because the ETFE material is with higher transparence and special honey comb structure to absorb more sunlight. And it is better for withstanding heat and corrosion to realize slower old aging for solar panel. Finally the whole lifespan of the portable solar panels for camping can be extended. And compared to the general 15% efficiency of solar cell, we already improve it up to 22%.

B, Multifunctional and powerful enough

This is a kind of multifunctional portable solar panels for camping. It is equipped with DC 18V and USB / QC3.0 / Type-C outputs.

Via the 18V port, this GGXingEnergy® 100watt portable solar panels for camping can charge brands of laptops, 12v car / boat batteries, and portable power systems. Max current can be up to 5.5A, which will be idea for the fast charging under strong sunshine.

And you can also charge the phones, smart phones, iphone, ipad, tablet, power bank, camera and other small units which can be recharged via an USB cable or for the QC3.0 and PD protocol electronic devices. Undoubtedly, the 100watt portable solar panels for camping will be so powerful for them.







C, Humanized design serving you well for the outdoors

The 100watt portable solar panels for camping is only with 2 folds and 8.16lbs. It can be folded to 23.03in * 20.67in * 4.57in, not taking much space for your outdoor trip.

And there are comfortable handles to be convenient for you carrying. The handles are built with magnets. The two handles can absorb together automatically when you fold the two solar panels together. When you open the portable solar panels for camping, you just need to simply move the handle. This design can make the portable solar panels for camping be novel, and also maximumly provide the use convenience.

At back of the portable solar panels for camping there is a large pocket with good quality zipper, which can protect well the inside junction box and hold the accessories for you.

D, Added with kickstands to help you optimize the use

As we know, if the portable solar panels for camping can face sunlight at a right angle, the charging efficiency can be improved. So the kickstands are added to help you adjust the solar panel's position. This way can get 25% more sunlight than flat laying.

Hook Hole



Magic Handle



Accessories Bag



Kickstand

Durable / Splash-proof





Easy to Carry





100Watt ETFE Portable Solar Panels for Camping FAQ

1), Is it real 100watt? Why we can get it only 40watt-80watt or even lower power during the actual usage?

Yes, this GGXingEnergy® 100watt portable solar panels for camping is real 100watt. In our company, we never write any fake power. Any kind of solar panels will have reduced power when using. Sunlight intension is the largest factor. We say 100watt is the max power of solar panel itself, which is got under the standard test condition in laboratory (STC Irradiance 1000W/m², TC=25°C, AM=1.5). Under natural sunlight, it is hard to get such strict test condition. And sunshine condition is always changed, so that you will get changed output currents.

Then some customers are talking the current measured on the charged loads. Thus such a working current on load already has consumption, which will be lower than the original output current from solar panel itself.

Also the unreasonable use condition will cause lower power. For example, if the portable solar panels for camping is put behind the window or there is shadow on it, its power output will be lower than using under direct and full bright sunlight. Or when the portable solar panels for camping is becoming

hot under high temperature, its power output will be reduced. Because heat will increase the solar cell's consumption.

2), What brands of laptops and portable power stations can it charge?

Our GGXingEnergy® 100watt portable solar panels for camping can charge most brands of laptops and portable power stations on market.

There are 10 different adapters for laptops, except MacBook. That will be plug in and play. Just find the right adapter and connect it with your laptop, then connect the adapter to the 18v output of solar panel via the converting cable, charging will go.

Among the 10 adapters, the three ones as 8mm, 5.5x2.1mm, 5.5x2.5mm are suited for kinds of portable power stations selling online. If the portable power station is with 18v input voltage and accepts 5.5A current for charging, it can be recharged by this 100watt portable solar panels for camping. Then if you do not find the right connector for your portable station, we can add it for you.



3), Does it need a solar controller to charge the 12v car battery?

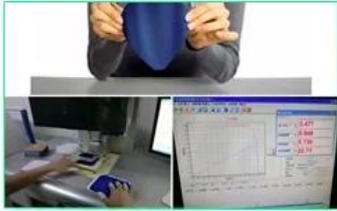
Yes, we suggest to match a solar controller for this. In the package of this 100watt portable solar panels for camping, there will be no solar controller included. Considering some customers already

have their own solar controllers, or customers may have different battery types, we finally decide to add a solar controller as per customer's request. So if you needing a solar controller, please kindly tell us your battery type and price goal.

4), Can the portable solar panels for camping be customized?

Yes, it can be customized. For any customization requests, please feel free to talk with us. No matter following your design, or changing the voltage, or printing the logo for you, we will try our best to fit your needs.

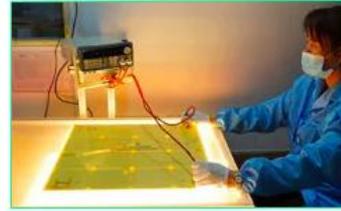
Production Process



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



Certification

