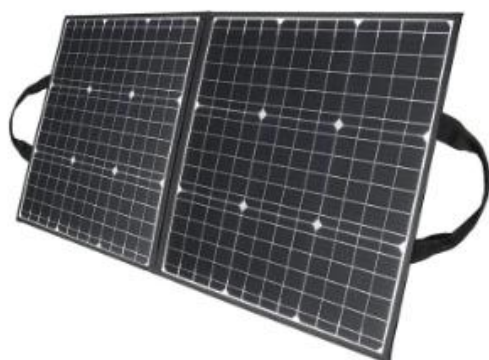


GGXingEnergy®



### Foldable 100W Solar Panel

With years of experience in building clean and sustainable green power, GGXingEnergy believes in and aims at making durable, powerful and easy-to-use portable solar panel. High quality and easy-maintainable **foldable 100w solar panel** is offered by China manufacturer GGXingEnergy. Buy **foldable 100w solar panel** which is of high quality directly with low price.

### Foldable 100W Solar Panel

This **foldable 100w solar panel** is updated with ETFE craft. The simpler portable design can be with more competitive price. With 4 outputs, it is widely compatible enough for your outdoor RV camping, off-grid road trip and unexpected power outages.

### Foldable 100W Solar Panel Parameter

Solar Panel Max Power	100 Watt
Solar Cell Type	A-grade monocrystalline
Solar Cell Efficiency	22%-23%
Optimum Operating Voltage (Vmp)	18V
Optimum Operating Current (Imp)	5.6A
Open-Circuit Voltage (Voc)	21.6V
Short-Circuit Current (Isc)	6.2A
Output	DC port: 18V5A (max) USB Port: 5V/2.1A (max) QC3.0 Port: 5V9V12V 24W (max) TYPE-C Port: 5V-20V 60W (max)
Test Condition	STC Irradiance 1000W/m <sup>2</sup> , TC=25°C, AM=1.5
Operating Temperature	14°F – 149°F (-10°C – +65°C)
Material	ETFE + EVA layer + Solar Cell + PCB backer sheet + Canvas cloth cover
Extended Size	41.34×20.07in
Folded Size	20.07×20.47in
Weight	4.62 lbs
Color	Black / Camouflage

### Foldable 100W Solar Panel Feature

#### 1) High efficiency up to 22%-23%

In GGXingEnergy we only use the full power and high quality monocrystalline solar cells. This **foldable 100w solar panel** is above 22% efficiency to convert more sunlight to energy.

#### 2) Super portable and foldable design

This **foldable 100w solar panel** is only with 2 folds, 2x50w. As soon as you close the solar bag, the fold is finished. The less quantity for folding panels will be much easier for setup. Extended to be 41.34×20.07in and folded to be 20.07×20.47in, light weight as 4.62 lbs, with a hand strap, it is easy for carrying and transportation. With 4 hanging tips at each corner, you can find a way to easily fix it at the top of your car/camper. Then you can still get free solar charging when you are driving.

3) Equipped with kickstands

This **foldable 100w solar panel** is installed with 2 kickstands at back. You can mount the solar panel at an angle of 45° for maximizing output energy efficiency. This can get 30% higher power than the solar panel being flat on ground.

4) Full widely compatible use

This **foldable 100w solar panel** is with 4 outlets. The DC port is not only made for portable power stations, but also it can be used to charge laptops or 12v batteries. The max current can be up to 5A, which can perform well for the large current request. Also with USB out, QC3.0 and Type-C charging, even if you do not have a portable power station at hand, you can also use this **foldable 100w solar panel** to charge your mobile phone, power bank, PSP, GPS, camera, and other small devices. The Type-C PD charging is 60W, not only 45W as other competitors.

5) Water resistant for marine use

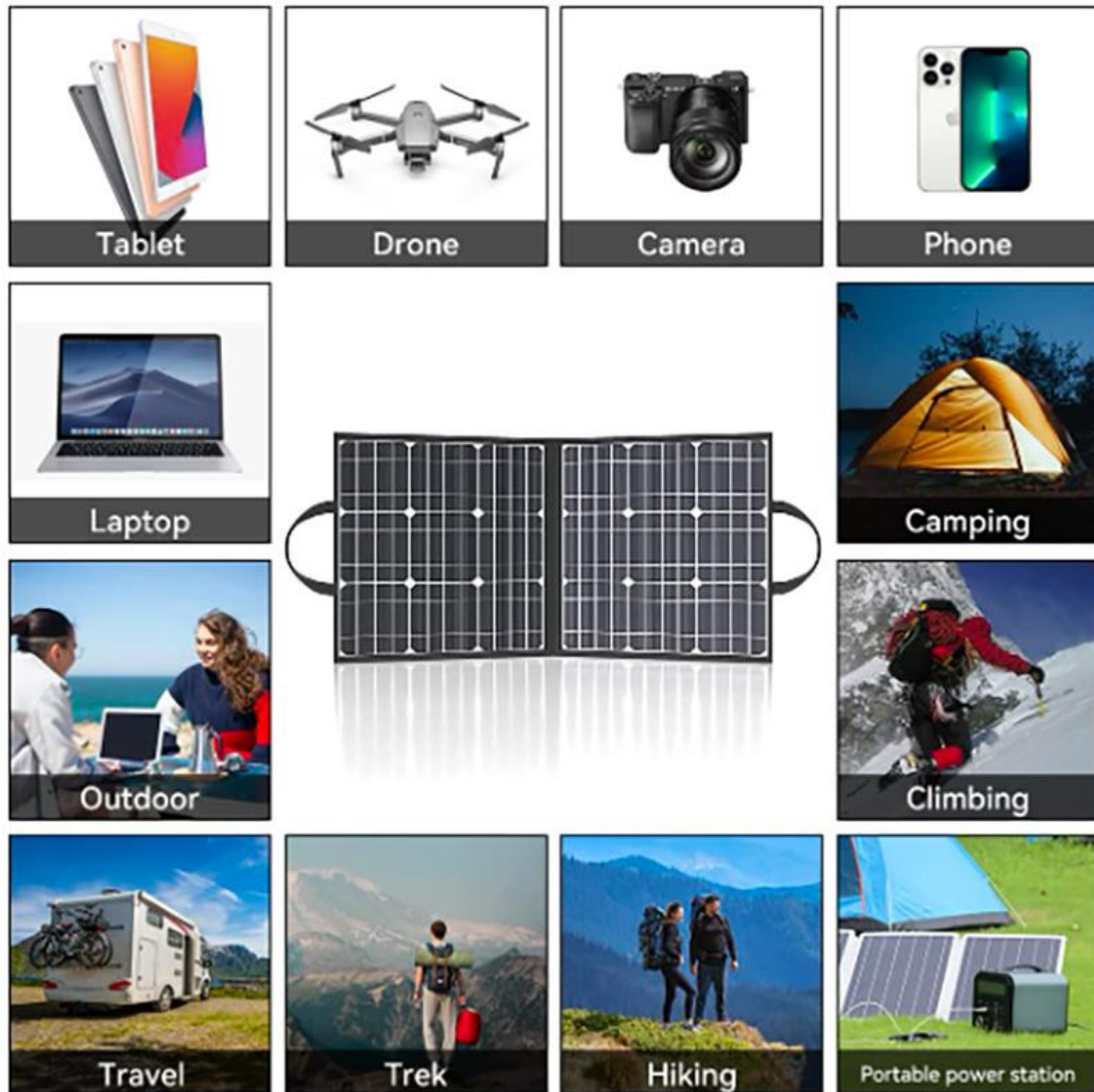
The cloth cover of our **foldable 100w solar panel** is a kind of PVC with glue at back. It is waterproof and can protect well the inner circuit.

6) Updated with ETFE craft to be better quality and longer service life

Compared with other conventional solar panels with PET surface, the GGXingEnergy® **foldable 100w solar panel** with ETFE coating is with higher light transmittance, stronger durability, higher temperature resistance and being more dust-proof to work better outside. Benefitted from its excellent chemical properties, the ETFE **foldable 100w solar panel** is with double times longer life-span than a PET one.

### **Foldable 100W Solar Panel Application**

Wherever you go, and whenever you are camping, climbing, hiking, picnic, fishing, travelling, hunting, or other outdoor survival, or for emergency preparedness, or just being environmentally conscious, this GGXingEnergy® **foldable 100w solar panel** is very useful to have. Follow the sun, power your life.



Notes

- a. The **foldable 100w solar panel** does not include battery to store power and it can be only used under direct sunlight. The sunlight intension will cause the final output, 0A-5A.



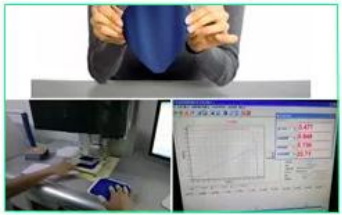
- b. Our **foldable 100w solar panel** includes 10 connectors for brands of laptops on market. The laptop can be charged directly via the DC port on the junction box.
- c. Among the 10 connectors, some of them can be used to charge the portable power station. Please firstly make sure your portable power station can accept 18V5.6A for charging. If higher voltage or smaller current requested, it may be damage to your portable power station. The fitted models is listed as below. If there is no right connector showing in the picture, you can contact us to add it.

**Different sizes of DC connectors for most solar generators**



- d. If charging 12v battery, we suggest to use a solar controller together to protect your 12v battery from overcharging. This **foldable 100w solar panel** does not include a solar controller together. Because sometimes the customers already have their own solar controllers. And the solar controller will be different as per your 12v battery type. You can inquiry us if you have any doubt to choose the right solar controller.
- e. When charging USB or Type-C supported devices, we suggest to use your own original charging cable for better charging result. There will be no such a cable in the package.
- f. The foldable 100w solar panel surface and the cloth cover is waterproof. The water-resistant level that will protect from water splashing (Do not place it under the rain, or to soak in water). Specially, the junction box and the cable output lead is not waterproof, please keep them being dry.

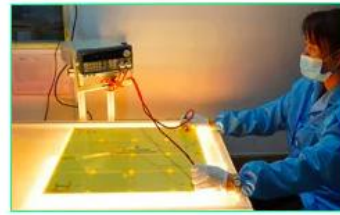
**Production Process**



**Power output testing for solar cell**



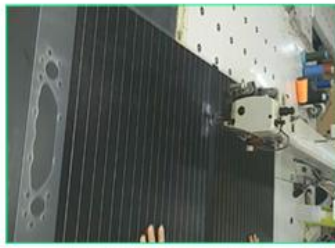
**Solar panel lamination**



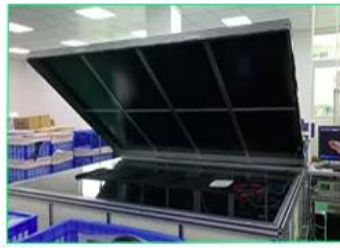
**Power output testing for solar panel**



**Pre-production preparation**



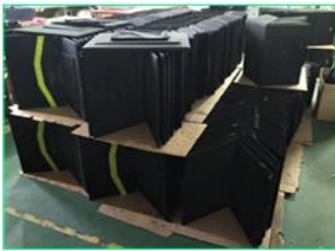
**Sewing on the solar panels**



**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

