

GGXingEnergy®



As one of the China 100 Watts Monocrystalline Foldable Solar Panel suppliers, GGXingEnergy always devote to provide the best quality and price rate for customers. Our products have good advantage and cover most of the European and American markets. If you have any interest, contact us now. We will provide the discount 100 Watts Monocrystalline Foldable Solar Panel for you.

100 Watts Monocrystalline Foldable Solar Panel

This 100 Watts Monocrystalline Foldable Solar Panel is portable enough for any outdoor activities. Structured with 22% high efficiency monocrystalline solar cells, not only with ensured quality, but also it can make the 100 Watts Monocrystalline Foldable Solar Panel be more smaller and lighter. Equipped with 4 DC outputs, good for charging a portable power station, it can reach you most outdoor charging requests.

100 Watts Monocrystalline Foldable Solar Panel Parameter

Solar Panel Max Power	100 Watt
Solar Cell Type	A-grade monocrystalline
Solar Cell Efficiency	22%
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 ² , TC=25°C, AM=1.5
Operating Temperature	14°F—149°F (-10°C—+65°C)
Material	PET + EVA layer + Solar Cell + PCB backer sheet + Canvas cloth cover
Extended Size	67 * 17 * 1 inches
Folded Size	17 * 14 * 2 inches
Weight	9.9 lb
Color	Black / Camouflage

100 Watts Monocrystalline Foldable Solar Panel Description

- 1) This is a good quality 100 Watts monocrystalline foldable solar panel, whose solar cell can be up to 22%-23% efficiency, higher at least 3% than the average efficiency on the market. Protected by

1.2mm PCB board, not like 1.0mm than some of other competitors, using good quality grade of EVA, also more durable cloth, the high quality materials can ensure this 100 watts monocrystalline foldable solar panel with longer service life.

- 2) This GGXingEnergy® 100 watts monocrystalline foldable solar panel is portable and compatible enough for outdoor use.

With 4 folds of panels, but it can be easily folded to be a briefcase size. Benefited from this foldable design, it can save lots of storage space. Added with a comfortable rubber handle, it is more portable and easy to be carried anywhere. With 4 metal hanging rings, it can be hung on a tree or fixed well on the top of car to be freely used to get more solar charging.



In the large pocket, there is a junction box with 4 out ports, 1 x DC 18V5A (max), 1 x general USB 5V2.1A (max), 1 x QC3.0 5V9V12V 24W (max), and 1 x Type-C 5V-20V 60W (max). The DC port is made for portable power station, laptop, or 12V battery. The USB port is suitable for almost all 5V units, such as phone, power bank, tablets, MP4, PSP, GPS, Bluetooth... The QC3.0 and type-C port can support those devices accepting quick charging mode.



Power multiple devices at the same time

Equipped with 1*USB QC3.0 port
1* USB-C PD port
charging compatible devices
is 4 times faster than
ordinary solar chargers

DC: 18V/ 5 A(max)
TYPE-C: 5-20V/3A, 60W(max)
USB QC3.0: 5V/3A, 9V/2.5A, 12V/2A, 24W(max)
USB: 5V/2.1A(max)
LED indicator

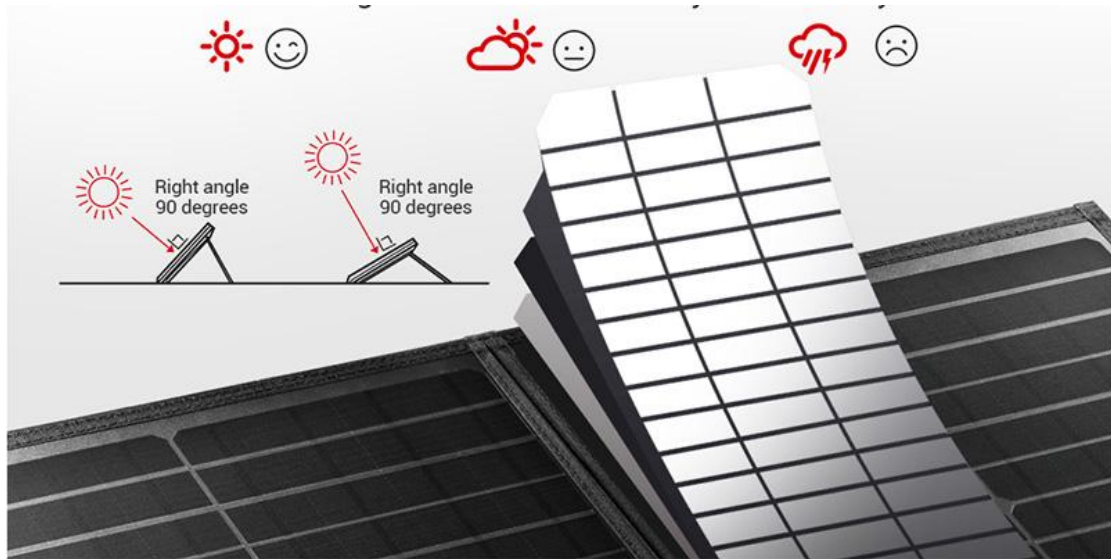
So when outdoor, you do not need to rely on the wall outlet again. Such a 100 watts monocrystalline foldable solar panel is ideal for outdoor life, camping, travel, picnic, home emergency and off grid living power outage supplies.



100 Watts Monocrystalline Foldable Solar Panel FAQ

a. Why the solar panel can not produce out 100w power as described when charging?

Such issue is caused by the working way of solar panel. It converts sunlight to power directly, no battery inside to store power and give out stable output. Sunlight intension is always changed, then the output power from solar panel will be larger when sunshine is stronger, and poor when sunshine is weak. Maximum 5A current is tested at an ideal laboratory condition, STC Irradiance 1000W/m², TC=25°C, AM=1.5. Also, we say it is max 5A at no load condition. When the load is under charging, the real working current is less than the data via formula due to the consumption. Or the angel of sunlight toward to solar panel will also cause large power difference.



- b. I have a portable power station, how to know whether this 100 watts monocrystalline foldable solar panel can charge it?

Firstly, we suggest to confirm well the input voltage and current for your portable power station, whether it accepts 18V5A for charging. If yes, then it is a charging port choice. Our panel includes 5.5x2.1mm, 5.5x2.5mm, 8mm, 3.5x1.3mm DC connectors. The fitted models as we knowing are listed as below. If no right connector, we can add it for you.



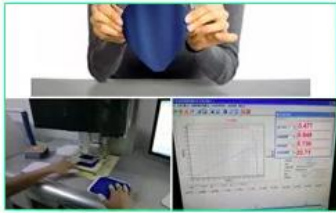
Comes with adapters to fit general portable power stations



Certification



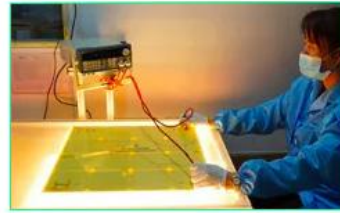
Production Process



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

