

GGXingEnergy®



GGXingEnergy is a China factory and supplier aiming at making durable, powerful and easy-to-use portable solar panel kit. The following is the introduction of high quality cheap 60w portable solar panel kit, hoping to help you better understand the feature of a portable solar panel kit. Welcome new and old customers to continue to cooperate with us to create a better future!

60W Portable Solar Panel Kit

Constructed with high quality and durable materials, designed to be portable and foldable, widely used to charge the devices away from wall outlet via free sunlight, such a GGXingEnergy® 60w portable solar panel kit is worth for powering your outdoor life.

60W Portable Solar Panel Kit Parameter

Solar Panel Max Power	60 Watt
Solar Cell Type	A-grade monocrystalline
Solar Cell Efficiency	22%-23%
Optimum Operating Voltage (Vmp)	18V
Optimum Operating Current (Imp)	3.3A
Open-Circuit Voltage (Voc)	21.6V
Short-Circuit Current (Isc)	3.9A
Output	DC port: 18V3A (max) USB Port: 5V/2.1A (max) QC3.0 Port: 5V9V12V 24W (max) TYPE-C Port: 5V-15V 18W (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	51.57x14.8x0.2in
Folded Size	14.8x14.6x0.87in
Weight	5.3 pounds
Color	Black / Camouflage
Certification	CE / RoHS / FCC
Warranty	1 year

60W Portable Solar Panel Kit Description

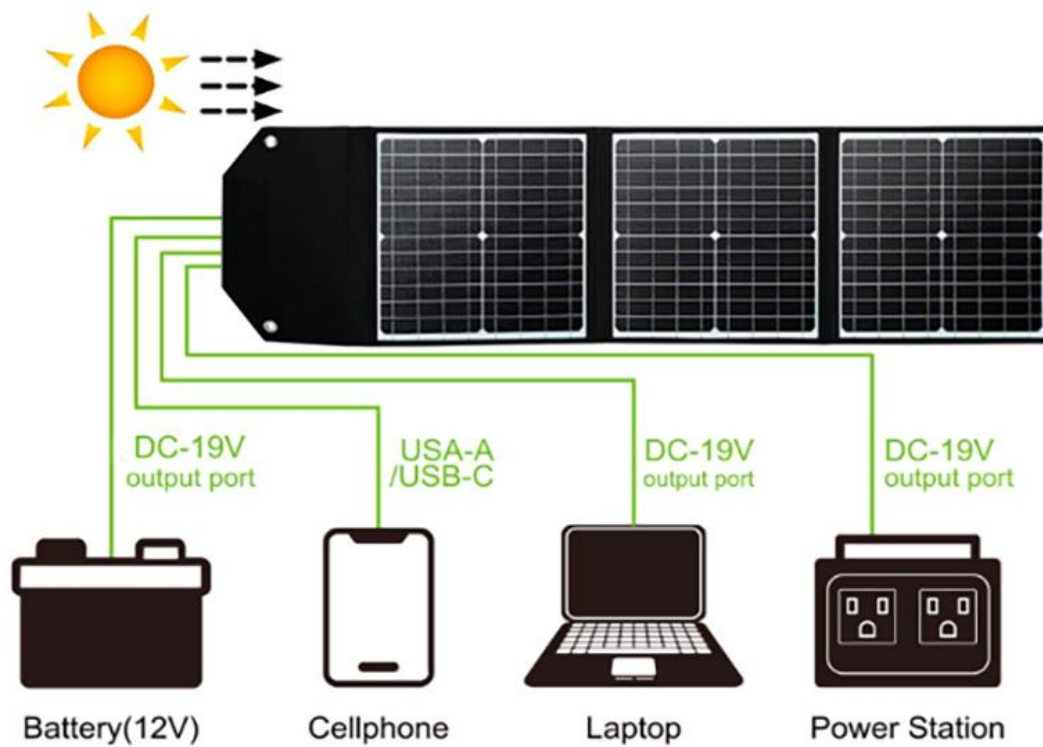
1) Benefited from the portable and foldable design, such a GGXingEnergy® 60w portable solar panel

kit can reach varied application. Drape it over your windshield, awning, hang it on a tree or tent, fix it at the top of your car / camper, or just spread it out on the ground... When stopping use, folding it back to be a briefcase size, it can be easily stored into your travel bag or just put it down at the driver's seat. Compared to a traditional glass laminated solar panel, the light weight, compact size and handy carrying handle will not let it be a burden again.

- 2) The solar cell is with huge improvement to be with much higher efficiency up to 22%-23%. With the higher level of efficiency, the same power solar panel can be smaller size, lighter weight and also better charging.
- 3) You can conveniently adjust the solar panel to get the best angle to face sunlight via the kickstands at back. Such a design can help the portable solar panel kit get 30% more power than just being flat on the floor.



- 4) The cloth cover is waterproof and also durable enough for outdoor use. It is a kind of heavy duty nylon fabric with glue at back to be against water. Or if you put the portable solar panel kit on the rough ground or even with friction, it will be still very solid.
- 5) Such a portable solar panel kit is made for most brands of portable power stations on market. The suited models are listed as below. You can find the right connector to realize the connection for charging. If there is no right one in the picture, you can give us the one you need for adding. To be more functional, this portable solar panel kit can also charge laptop, 12v car / boat / RV battery. Additionally, this 60w portable solar panel kit is also built with USB / QC3.0 / Type-C port. If you do not have a portable power station at hand, you can use the portable solar panel kit to charge your mobile phone, tablet, power bank, PSP, GPS, headlamp, camera and other small devices directly under sunlight.



Different sizes of DC connectors for most solar generators



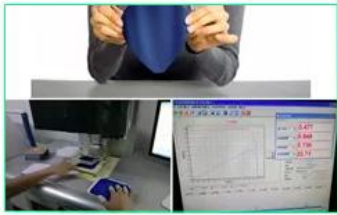
60W Portable Solar Panel Kit Note

- 1) The portable solar panel kit can be only used under direct sunlight, because it can not store power due to the lacking of battery. Its output power will follow the sunlight intension, which is

constantly changed and causing you unstable power. Max current 3.3A as described is tested under an ideal laboratory condition. In natural use it is hard to reach and the use way or loaded situation will also cause power losing. It's normal that you may get 40w-50w under direct full sunlight. Or low power 10w-20w under poor sunshine, or even no power. This is not a product problem, but decided by the working way of solar panel itself.

- 2) The portable solar panel kit is waterproof. The extent is protecting from water splashing. Like other digital products, please do not place it under the rain, or to soak in water. Specially, the junction box and cable out lead is not water-proof. Please keep them being dry.
- 3) For the charging for portable power station / solar generator, please firstly confirm well the right voltage / current for your device. This 60w portable solar panel kit is 18V/3.3A max.
- 4) When charging laptop, it is plug in and play. Thus for the laptop needing 5A or 6A for normal charging, this 60w portable solar panel kit may perform poorly. We suggest to use larger power like 100w or 120w. If you find there is no charging or only very poor charging, please try it again when sunshine is more brighter.
- 5) This portable solar panel kit can charge 12V lead-acid battery, 12v GEL battery, 12v LiFePo4 battery, etc. We suggest to use a solar controller to protect the charging for 12v battery. In the package, there is only a set of battery clamps, without solar controller. Because each customer may have different battery types, and solar controller needs to be different as per battery type.

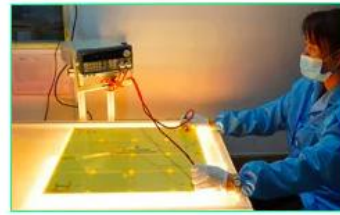
Production Process



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

