

GGXingEnergy®



45W Solar Panel Charger

GGXingEnergy is a mature solar panel charger factory located in Shenzhen, China. We not only provide wholesale or OEM orders, but also we have full experience for drop shipping orders. With our honest and real working attitude, we always win trust from all of the customers. That will be our honor to be one of your China solar panel charger suppliers. If you need any interested solar panel charger quotation, just feel free to send us your request, and we will quote our best price.

45W Solar Panel Charger

This GGXingEnergy® **45w solar panel charger** is a successful evolution with ECTFE craft. Also updated with 22% high efficiency A grade monocrystalline solar cells, it is with a very good quality grade.

45W Solar Panel Charger Parameter

Solar Panel Max Power	45W
Solar Type	A-grade monocrystalline solar cell
Solar Cell Efficiency	>22%
Output Ports	USB: 5V2.1A (max), DC: 18V2A (max)
Material	ECTFE film + Solar Cells + PCB backer sheet + Canvas cloth cover
Solar Panel Quantity	6
Extended Size	83x58x1cm / 32.7x22.9x0.4in
Folded Size	29x21x4cm / 11.5x8.3x1.6in
Weight	1.25kg / 2.8lbs / 44ounce
Color	Black / Camouflage
Warranty	1 year
Application	Mobile Phone, Tablet, Power Bank, PSP, MP4, GPS, Earphone, 12V battery, Laptop/Notebook

45W Solar Panel Charger Application

1) A trickle solar panel charger for 12v batteries

This GGXingEnergy® **45w solar panel charger** with DC 18V port max 2A can provide a trickle charging way for your 12V car / boat / RV battery, and it is fitted for 12V lead-acid / GEL / LiFePO4 / Lithium battery. You can put it behind the car windshield or fix it on the top of the car to get solar charging to help your battery be at full level.

2) An assistant solar panel charger source for portable power station / solar generator

This GGXingEnergy® **45w solar panel charger** (18V2A max) can be used to do assistant charging for portable power station / solar generator. There are 4 DC adaptors which can fit for most

brands of portable power stations on market. It is easy use as plug in and play. When wall outlet is not available, you can still use this kind of solar panel charger to power your portable battery.
2.jpg

3) A portable solar panel charger for your phone / tablets / power bank

This GGXingEnergy® **45w solar panel charger** is with 6 small panels. Extended to be 32.7x22.9x0.4in, thus folded to be 11.5x8.3x1.6in. It is small enough to be fitted into your camping backpack or hiking daypack. Weight 2.8lbs and with a handle, it is light and portable enough for your daily carrying. Via the USB port (5V2.1A max) you can get your phone / tablets / power bank / switch / earphone / bluetooth / camera and other 5V USB supported devices charged. Just put the solar panel charger directly under bright sunshine and connect it with your device to realize charging, no needing a battery.

45W Solar Panel Charger FAQ

1) Do I need a solar controller to charge the 12v battery?

We suggest to match a solar controller. It will be more better to do protect charging for your 12v battery. We provide optional solar controller. And we will choose the right solar controller type as per your 12v battery info.

2) How long time it can fully charge a portable power station?

Because the solar panel charger is without a battery to store energy and it can not produce out stable power, you will get unstable current under constantly changed sunshine. This will cause different charging time. Also, the full charging time is totally decided by the battery capacity of your portable power station. This **45w solar panel charger** is only max 2A out, if you want a fast charging, especially if you have a large capacity battery, we suggest the larger power model, like 100w, 120w, or even 200w.

3) Can this **45w solar panel charger** charge a laptop?

Yes, our **45w solar panel charger** can charge laptop / notebook. There are total 10 DC adapters which are for brands of laptops. (The 4 DC adaptors for portable power station already in the 10 DC adapters.) Just find the right connector for your laptop and you can connect it with the solar panel charger. If you find there is no charging, it is normally due to the weak sunlight, not a product problem. The **45w solar panel charger** is max 2A. If you want real fast charging, we suggest a solar panel charger above 80w.

4) Is the **45w solar panel charger** waterproof? Can it still work if I forget it in rain?

Yes, it is waterproof. Both the solar panel charger surface and cloth cover are water resistant. The waterproof level is as water splashing. Please do not put it in rain for a long time or soak it in water. But the cable lead and the USB port are totally not waterproof. If you forget it in rain, please use it after it becoming dry.

5) What is the difference for ECTFE and ETFE?

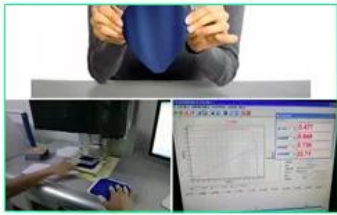
ECTFE is an improvement of ETFE. Under the ETFE surface, it is added with a special film, which can protect well the solar cell. So that we can make the PCB board to be thinner. Even little flexible for the

solar panel is no problem. By this way the solar panel is still strong enough, but its weight will be dropped. If a same design of **45w solar panel charger** made by ETFE craft, weight will be around 1.5kg. Thus this ETFE **45w solar panel charger** is around 1.25kg. Also the good quality and performance of the ETFE is still kept, such as higher light transmittance, higher temperature and corrosion resistance, with better charging conversion and longer service life.

6) What are the packages included?

The 45w solar panel charger package includes 1x**45w solar panel charger**, 10xDC adapters, 1x30cm Micro 5pin USB charging cable and 1xmanual. The solar controller with battery clamps will be optional, if no special request, it will not be in the package.

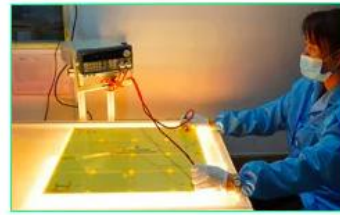
Production Process



Power output testing for solar cell



Solar panel lamination



Power output testing for solar panel



Pre-production preparation



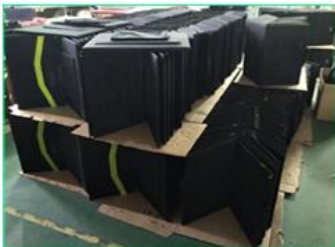
Sewing on the solar panels



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

