

User Manual

40W Foldable Solar Panel Charger

- Suitable for power station.
- Suitable for smart phone, ipad, tablet, digital camera, powerbank.
- Suitable for watches, GPS, earphones, security cameras RC charger.
- Suitable for outdoor life and even unexpected power outages.

Description

Thanks for choosing portable solar charger. We believe it will bring much convenience to your life. The solar charger is light weight and durable. It can convert the solar energy into electricity to power charge power banks and other electronic devices anywhere and anytime. It can be used together with power bank for power the electronics. This solar charger makes full use of flexible solar cell which is small in size, light, high efficiency. It can immediately produce low cost renewable energy.

Functions

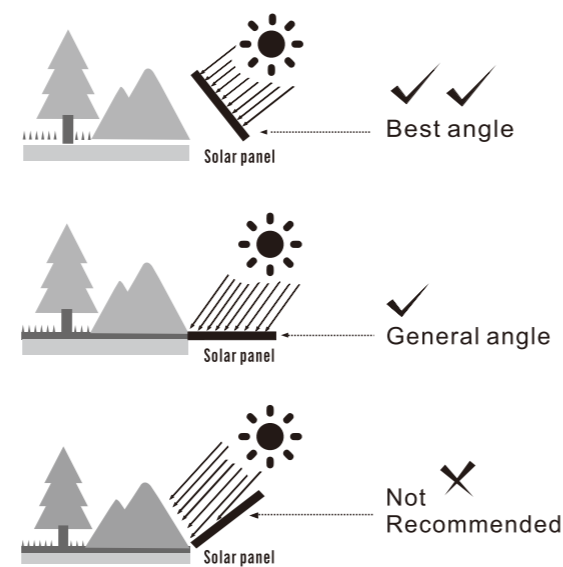
USB-C output: 9V/2.2A, 12V/1.67A (20W max)
USB-A output: 5V/3.4A, 9V/2.5A, 12V/2A (24W max)
DC ports output: 18V(34W max)
The built-in smart chip intelligently identifies your device, and maximizes its charging speed.
Support Qualcomm, Huawei, Apple, Samsung fast charging protocols.
Support PD3.0, PD2.0, QC3.0, QC2.0 protocols.

Features

ETFE, Integrated high quality lamination product, long lasting product comparison. Compatible with Jackery/Anker/FlashFish/Bluetti/Goal Zero/Rockpals Power Station, smart phones and tablets (Phone, iPad, Samsung Galaxy), GPS, digital cameras, RC charger, AAA/AA battery charger, etc. Solar charger built with monocrystalline solar cells can convert up to 25.6% of sunlight into usable electricity. The built-in smart chip intelligently identifies your device, and maximizes its charging speed while protects your devices from over charging and overloading. IP65 rating against water and dust, endure for any bad weather.

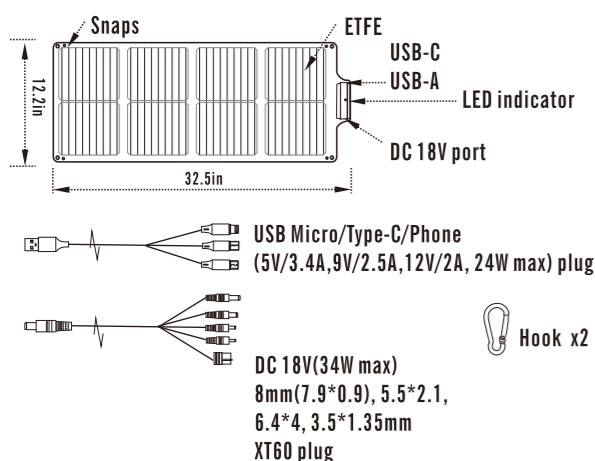
Lighting angle

It is very important to affect the output power



Solar Charger & Accessories

Solar panel Rated Peak Power(Pmax[W]): 40W(Standard test conditions)
Solar panel Actual Power(34W max)
Isc:2.33A, Voc:21.8V, Vm:18.2V, Im:2.2A, Pm:39.97W
Cell type: Monocrystalline Silicon, Efficiency: 25.6%
Size: 32.5*12.2*0.79inch(82.4*31*2cm)-unfolded
9.25*12.2*0.79inch(23.5*31*2cm)-folded
Weight: 2.19lb(0.99kg)
Solar panel Charger:
USB-C output: 9V/2.2A, 12V/1.67A (20W max)
USB-A output: 5V/3.4A, 9V/2.5A, 12V/2A (24W max)
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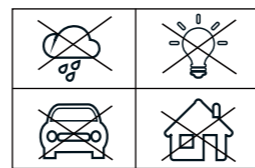


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Charging status Note

The solar panel charger has an indicator light, charging refers to the indicator light of the charging device. Note: If the device indicator light is not lit or the charging is slow, it means that the light is not ideal, please adjust the product angle or position.

How to use

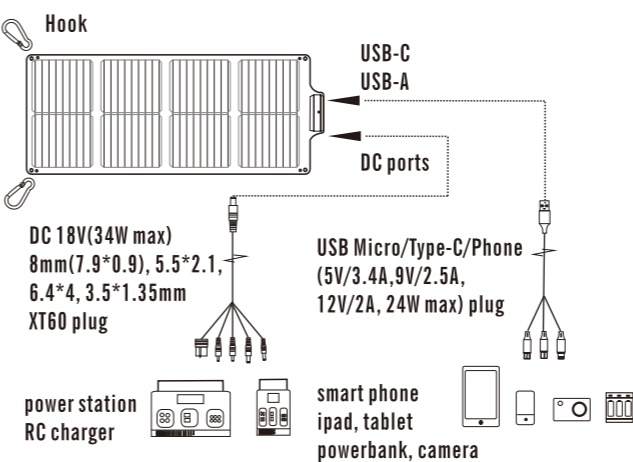
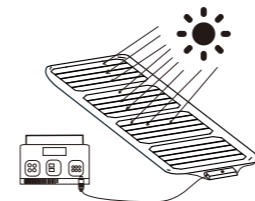


It is not recommended to use solar power in the following environments

- Cloudy, rainy, snowy, smoggy weather
- Fluorescent lamp
- Inside the aircraft, inside the car
- Indoors (behind window glass).

Charging Electronic Devices

Put the solar panel under direct sunlight, connect solar charger with the electronic device through power output cable, the charging signal will be shown on your electronic device, or if the sunlight is no sufficient, adjust the angle between the solar panel and the sun to obtain the maximum output current.



Q&A

- Is it harmful to use solar panel to charge mobile phone directly?
No, built-in regulator system making the output more stable.
- Is this solar panel waterproof?
Yes, this solar panel is waterproof.
- Is the solar panel limit to the security inspection of subway and plane?
No, it can be taken to the subway and plane.

Power of solar panel:

Correctly understand the power of solar panels and choose the right solar panel.

1. The nominal power of the solar panel is the maximum value tested according to the standard test conditions. (Standard test condition (STC): emissivity 1000W/m², AM1.5 times spectrum, component test temperature 25°C) It is difficult to meet the above conditions in actual use.
2. When there is strong light, the power of the solar panel can reach about 70% of the rated power, low light can reach about 20% of the rated power.
3. During the day, the average power of low light and strong light power is calculated, generally according to about 50% of the maximum value.
4. When calculating the output energy, the energy output in a day is generally calculated according to the average of 4.5 hours.
5. Use solar panels to charge the device, refer to the described standards for the power above.

Note

1. Solar panels are placed behind the window glass of cars and houses, and the glass transmittance is 85%, which greatly affects the light intensity.
2. Blocking even a small part of a solar panel, such as a leaf, has the potential to reduce power by a lot.
3. Different latitudes have different light intensity and different power, you can check the local light intensity online.
4. The tilt angle is much higher than the horizontal angle light intensity.
5. The temperature of the solar panel is high, which affects the output power.
6. Violent use, falling, resulting in invisible damage to solar panels, less power.
7. The different colors of the solar chip are the unique characteristic of the thin film chip, and the power generation performance is not affected, please refer to the actual product.



Warnings

1. Avoid placing in the high temperature(>70°C), humidity and corrosive environments.
2. It is recommended to use this product outdoors, and it is necessary to avoid blocking the solar panel when using, otherwise it will greatly reduce the power generation and affect the charging experience.
3. When the lighting conditions are not good, such as indoors, in the car, in the balcony, cloudy, rainy, cloudy, smoggy, etc., the output current of this product is small or can not work, can not charge the battery product.
4. When charging, do not block any part of the solar panel.
5. Do not reverse charging to the solar charger to avoid damaging the internal circuit.
6. Please avoid excessive light exposure for long time storage.
7. The charging performance of this product depends on many factors, including solar exposure angle, weather conditions, ambient temperature, etc.
8. Do not wipe or soak with water, chemicals and corrosive liquids. Immediately wipe the product dry with a dry cloth when wet.
9. Do not open, alter, reassemble, drop, shake or bang the solar connector.
10. Do not connect USB output(+) and input(-) ends to short the circuit.
11. Do not discard the product in water or fire to avoid damaging charger circuit.

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4

User Manual

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Functions

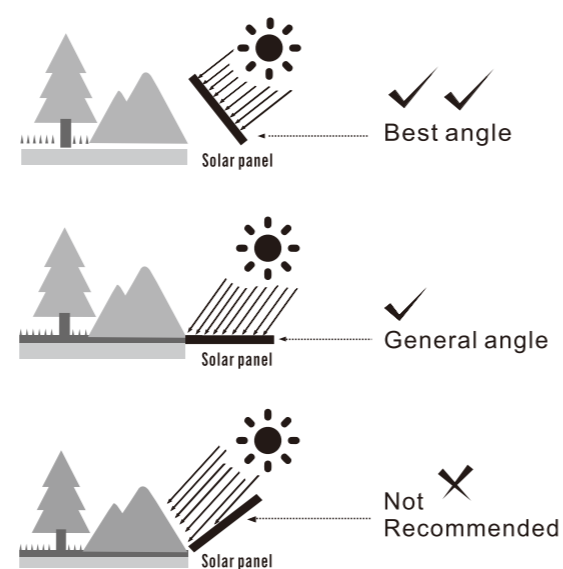
USB-A/USB-C output: 5V/3A, 9V/2A, 12V/1.5A (18W max)
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Support Qualcomm, Huawei fast charging protocols.
Support PPS, PD3.0, PD2.0, QC4+, QC4, QC3.0, QC2.0, PE2.0 protocols.

Features

ETFE, Integrated high quality lamination product, long lasting product comparison. Compatible with smart phones and tablets (Phone, iPad, Samsung Galaxy), GPS, digital cameras, RC charger, AAA/AA battery charger, etc. Solar charger built with monocrystalline solar cells can convert up to 19.41% of sunlight into usable electricity. The built-in smart chip intelligently identifies your device, and maximizes its charging speed while protects your devices from over charging and overloading.

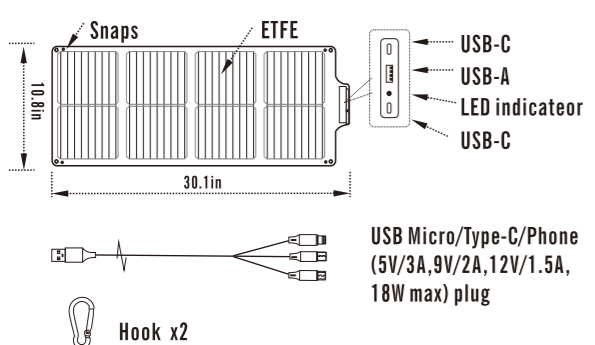
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Solar Charger & Accessories

Solar panel Rated Peak Power(Pmax[W]): 30W(Standard test conditions)
Solar panel Actual Power(25W max)
Isc:2.33A, Voc:16.42V, Vm:14.42V, Im:2.1A, Pm:30.28W
Cell type: Monocrystalline Silicon, Efficiency: 19.41%
Size: 30.1*10.8*0.5inch(76.5*27.5*1.3cm)-unfolded
8.1*10.8*0.5inch(20.5*27.5*1.3cm)-folded
Weight: 1.79lb(0.814kg)
Solar panel Charger:
USB-A/USB-C output: 5V/3A, 9V/2A, 12V/1.5A (18W max)
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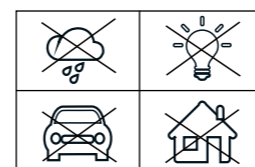


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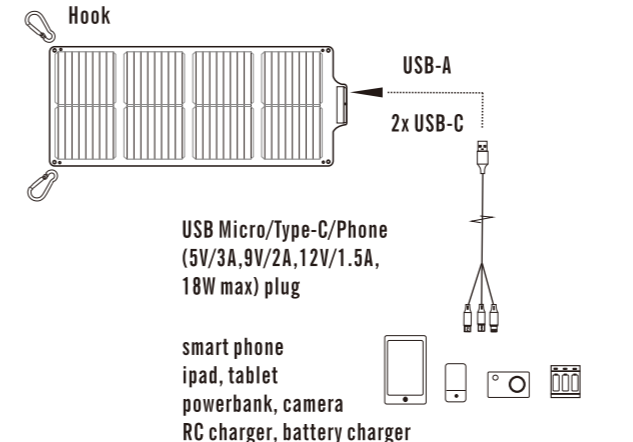
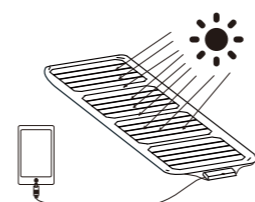


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4