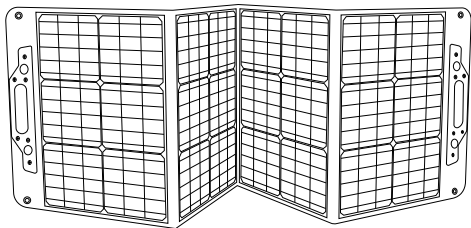
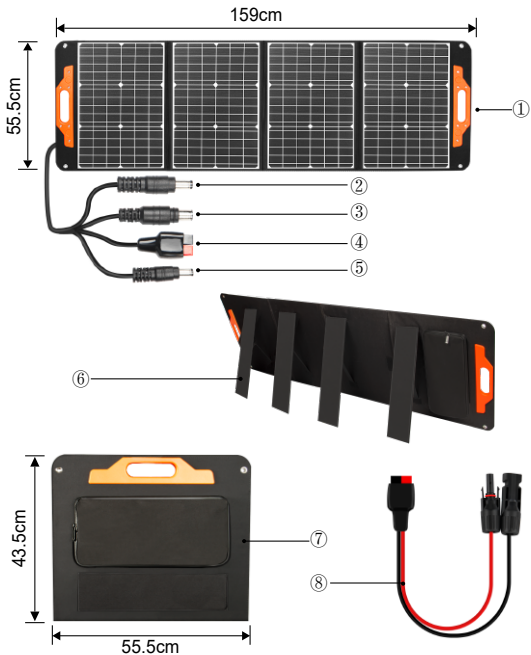


# CREABEST

## Portable Solar Panel



Model:GSM-120W



①	4x30 Watts Solar Panel	⑤	DC5521(5.5*2.1mm)
②	DC5525(5.5*2.5mm)	⑥	Stands
③	DC7909(7.9*0.9mm)	⑦	Suitcase with handle and pocket
④	Anderson(Up&Down)	⑧	Anderson Adapter, Compatible with MC4

## Technical details

Model:	GSM-120W
Peak Power(Pm):	120W
Solar Cell	Single crystal
Solar Cell Lamination:	ETFE
Cell Efficiency:	UP to 19.6%
Voltage at Max Power(Vmp):	18V
Current at Max Power(Imp):	6.7A
Open Circuit Voltage(voc):	21.6V
Short Circuit Current(Isc):	8A
USB-C:	5V/3A 9V/2A 12V/1.5A Max
Type-C:	5V/3A 9V/2A 12V/1.5A Max
Operating Temperature:	-10 C ~+65 C
Folding Number:	4
Dimension(unfolded):	Dimension(unfolded): 159*55.5*0.4cm
Dimension(folded):	Dimension(folded):55.5*43.5*2.2cm
Weight:	5kg
Warranty:	24 Months

## Introduction

- The Creabest 120W solar panel is a foldable design with a handle.
- The ETFE laminated housing is tough enough to extend the life of the solar panel.
- The max power is  $4 \times 30W = 120W$ , according to 8 hours of light a day, it can generate up to  $120 \times 8 = 960Wh$  of power.
- This solar charger is equipped with QC 3.0 USB port and Type-C port, which is 3 times faster than ordinary solar panel speed for your smartphones, tablets, DV, etc.
- Including 4 in 1 cable: 5.5\*2.1mm, 5.5\*2.5mm, 7.9\*0.9mm, 30A, Anderson. Suitable for almost all power stations on the market.

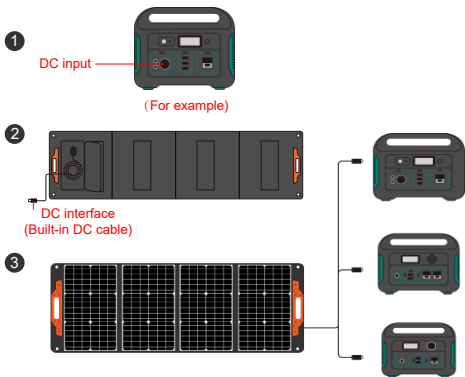
2 in 1 MC4 cable/adapter: connect the solar charge controller

## Safety Tips

- Do not bend the solar panel.
- Do not soak the solar panel into water or any other liquid.
- Do not use or store this solar panel near fire or heater.
- Do not scratch the solar panel with sharp objects.
- Do not disassemble the solar panel by yourself.
- Do not put corrosive substance on this solar panel.
- Ensure shade from trees, buildings, and any other obstructions do not block sunlight while using the panels.
- Do not use this product as a children's toy.
- Please note that the solar panel may be damaged by falling or impact.
- During recharging, keep your portable power station away from heat and direct sunlight to extend its life span.

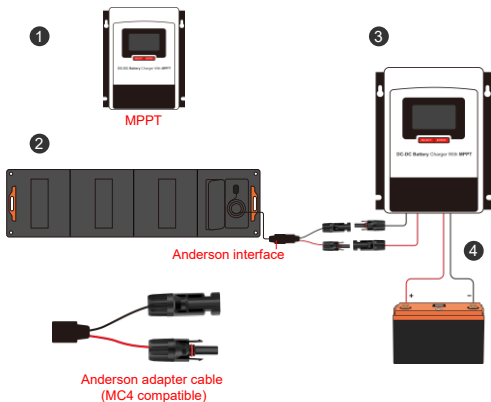
## How to Charge a Solar Generator

1. Confirm the type of DC input port of the solar power station .
2. Find the DC interface on the back of the GSM-120W solar panel and select the corresponding DC interface. (DC5521 5525 7909, XT60, etc.)
3. Connect the DC interface to the DC input of the solar power station.



## How to Charge your 12V Battery

1. Prepare your charge controller, it is recommended to use 10A or larger.
2. Find the Anderson interface on the back of the GSM-120W solar panel, and connect it with the included Anderson adapter cable (MC4 compatible).
3. Connect the MC4 connector end of the Anderson adapter cable to the MC4 cable (corresponding to the positive and negative poles), and then to the solar charge controller.
4. Use a cable to connect the charge controller to your battery



## Warranty

The product is covered by a limited warranty from Creabest for the original purchaser that covers the product from defects in workmanship and materials for 24 months from the date of purchase (damages from normal wear and tear, alteration, misuse, neglect, accident, service by anyone other than authorized service center, or act of God are not included).

During the warranty period and upon verification of defects, this product will be replaced when returned with proper proof of purchase such (as an order number).

## FAQ (Frequently Asked Questions)

Q: What factors will affect the solar energy conversion rate?

- A: 1. Weather conditions.  
2. Working ambient temperature.  
3. The length of the solar panel.  
4. Angle from panel to sunlight

Q: How do I decide how many panels are needed for charging?

- A: 1. The output power of the solar panel should meet the recommended voltage.  
2. The maximum open circuit voltage cannot exceed the maximum input voltage of the power station.  
3. The total output current of the solar panel should be between the recommended operating voltages. When multiple solar panels are used in series or in parallel, please ensure that the accumulated maximum voltage and current of the solar panels does not exceed the maximum voltage and current of the power station.

Q: Is it waterproof?

A: Yes, the product meet IP67 water proof. To maximize the life of your solar panel, try not to get it wet or submerge the solar panel in water.

Q:How to clean the solar surface?

A: Dust and dirt on the surface should first be removed using a soft brush. Use a damp cloth to wipe the surface of the solar module to remove any remaining dust or dirt. Any guano or other adhesive should be removed as soon as possible from the solar surface to avoid a reduction in performance.

## Contact us

If you have any questions, request a replacement or refund for a defective product, please email us. We will get back to you as soon as possible.

(Email:[sales@creabest.com](mailto:sales@creabest.com))