



100W SOLAR PANEL

USER MANUAL

Empower Your Life, Empower Your World

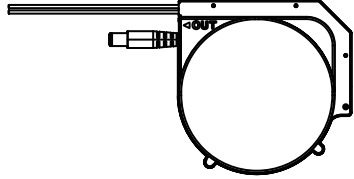
WHAT'S IN THE BOX

1



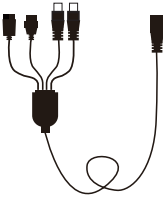
1x User Manual

2



1x DC 7909 Cable
(Equipped with Solar Panel)

3



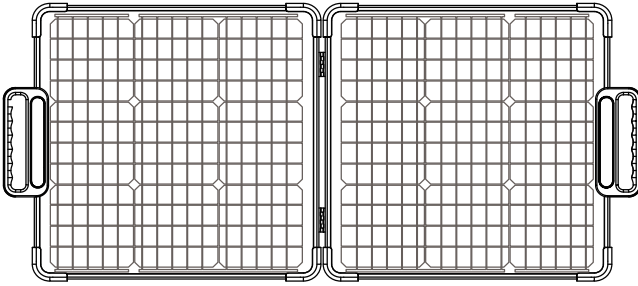
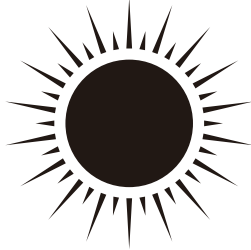
1x DC7909 to DC7909/
DC8020/Anderson/XT60 Cable

4

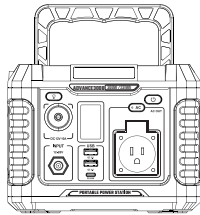


1x Reflective Mat
58*58*6cm

HOW IT WORKS



SOLAR PANEL



Power Station

IMPORTANT SAFETY INFORMATION

To ensure safe operation and service of the meter, read and understand all instructions. Failure to follow all instructions may result in severe injury or property damage.

TECHNICAL SPECIFICATIONS

100W SOLAR PANEL

Peak Power	100W
Solar Cell Type	Monocrystalline
DC Output	18V/5.56A
Dimensions (Folded)	25.6*22.8*2.0 inch
Dimensions (Unfolded)	50.4*22.8*1.0 inch
Operating Temperature Range	-10-65°C (14-149°F)
Weight	7.8kg (Excluding Accessories)

CAUTIONS



Do not immerse in water.



Do not destroy it in any way.



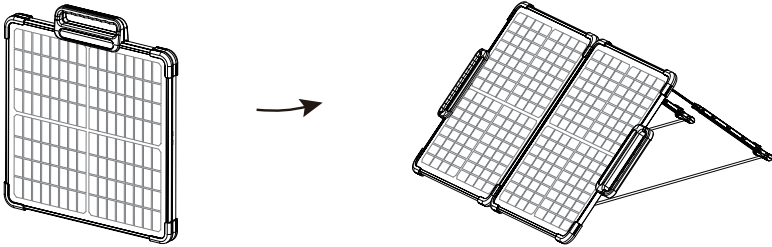
Avoid extreme temperature.



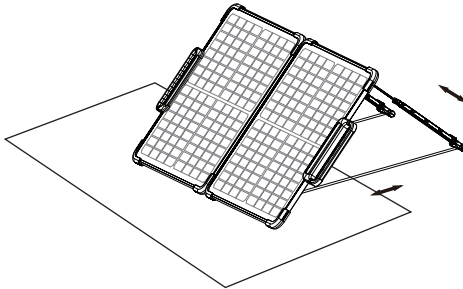
Do not disassemble.

POWERING/CHARGING DEVICES

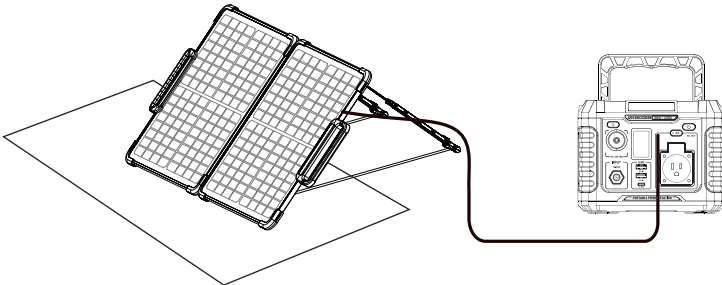
- 1** Put your Solar Panel facing perpendicular to the sun and make sure there are not any obstructions to cover the panel.



- 2** You can find the best angle by reading the solar angle guide so that you can adjust your solar panels accordingly. (solar angle guide is sold separately.) You can also use the reflective mat to reflect light to get better power results.

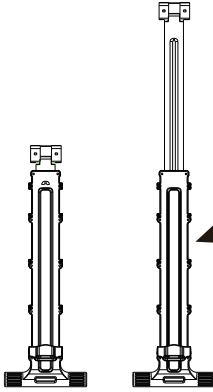


- 3** Pull out the DC cable to connect and charge the power station.



HOW IT WORKS

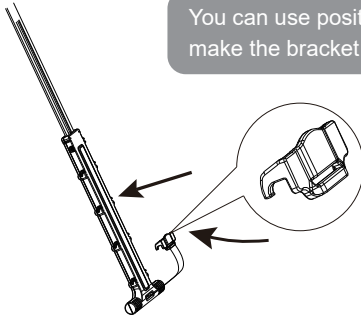
Adjustable bracket



The Solar Panel is equipped with an adjustable and retractable mounting bracket. It is a retractable mounting bracket with five adjustable levels. The angle of the solar panel can be modified by extending or retracting the bracket.

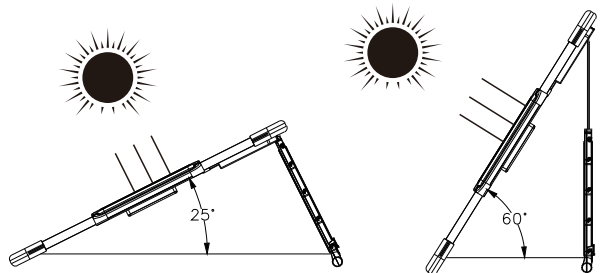
Tips

When it is necessary to collapse the bracket, simply extend the retractable mounting bracket to its maximum level, and then quickly push it back to fold it up.



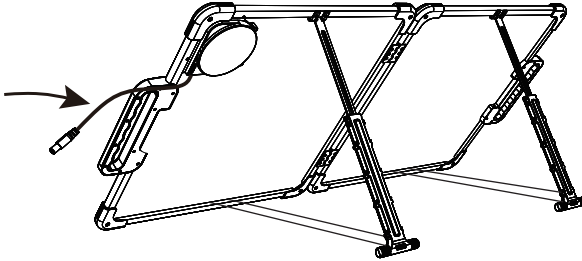
You can use positioning hooks to make the bracket more stable.

By adjusting the bracket, the Solar Panel's angle can be adjusted from a minimum angle of 25° to a maximum angle of 60° . At midday, you can place it flat on the ground to get the maximum solar energy.



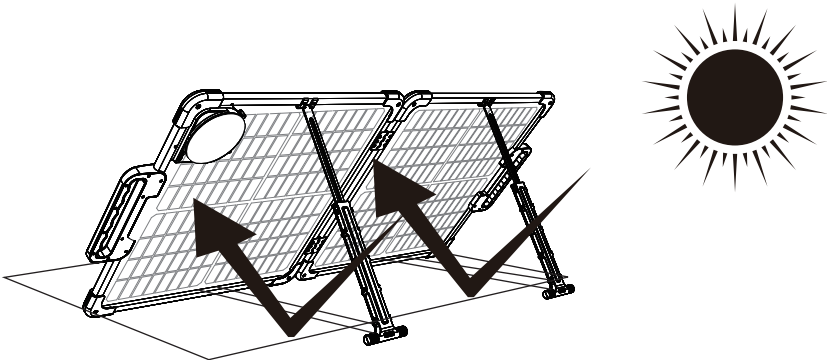
HOW IT WORKS

■ Retractable power cord box



- To use it, gently pull out the DC cable and connect it to your device. Stop pulling when the red mark on the cable reaches its longest point to avoid damage. When putting it away, just pull the cable backward slightly, and it will automatically retract. Hold onto the cable to prevent accidents from it retracting too fast.

■ How bifacial Solar Panel works



- With the reflective mat, you can see that the light bounces to the reflective mat and then back to the solar panel. This ensures that the solar panel has absorbed the maximum amount of solar energy.
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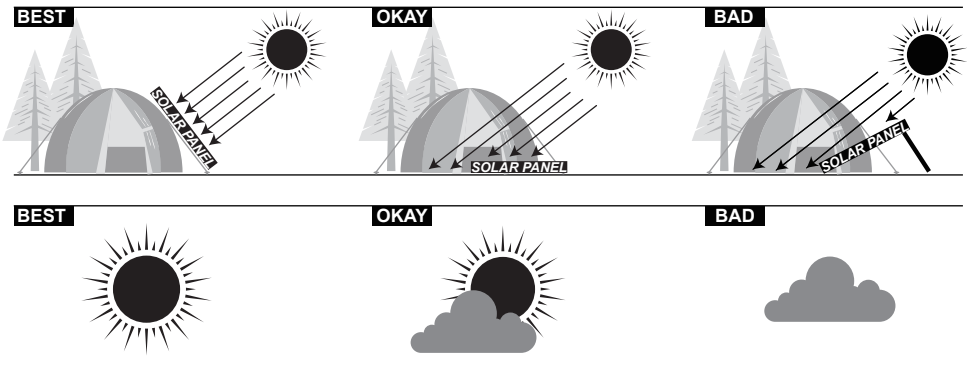
USING TIPS

- Please make sure that the connecting cables match the solar panel and charging equipment.
- In theory, the solar panel can charge all kinds of batteries.
It depends on the charging circuit of the batteries.
Please make sure that the charging voltage of the Solar Panel matches the input voltage of your batteries.
- Note that the red part of the Anderson plug is positive, and the black part is negative.
Please connect positive to positive and negative to negative to ensure using correctly.

USAGE TIPS

- The output power of the solar panel is related to the intensity and angle of sunlight.
If the solar panel is at a 90 degree angle toward the sun, it will have optimal charging efficiency.
For the best user experience, please use the solar panel in direct sunlight.

Using Example



- When using this product, please ensure that the front side of the panel is facing the sun.
The rear side of the panel is capable of generating electricity from ambient light, boosting the power output of the product. The more light the rear side of the panel is exposed to, the better the results. If necessary, electricity can also be generated with the rear side of the panel facing the sun. However, this only generates 80% as much power as using the front side of the panel.

WARNINGS

The warnings in this manual cannot cover all possible conditions or situations that could occur. Use this product with common sense and caution. Always be aware of the environment and ensure that the product is used in a safe and responsible manner.

- Do NOT operate or assemble the Solar Panel until reading this manual and understanding how it works.
 - When using the solar panel, place it upward in direct sunlight to ensure the best charging effect.
 - Use the Solar Panel to charge proper equipment.
Do NOT attempt to force it to do the work of larger industrial equipment.
 - Do NOT break, dismantle, or drop the Solar Panel.
 - Do NOT use nails or sharp objects to scratch the Solar Panel surface.
 - Do NOT place heavy objects or step on it.
 - Do NOT immerse the Solar Panel in water. Try to avoid exposure in the rain and moist environments. Scrub the Solar Panel with a damp cloth when clean it.
 - Keep the Solar Panel away from excessive-high temperatures, such as fire or heater.
Do NOT put the Solar Panel into a fire or apply direct heat to it.
 - Do NOT contact the Solar Panel with strong corrosive objects.
 - Do NOT modify this product in any way. Unauthorized modification may impair function and safety. Also, it could affect the life span of the product.
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FREQUENTLY ASKED QUESTIONS

Q: Is the Solar Panel waterproof?

A: The Solar Panel has been rated for IP68 water resistance. (Note: the junction box isn't waterproof.)

Q: Is this chainable with other Solar Panels?

A:Yes. You can chain other Solar Panels that have the same nominal output voltage power in parallel. You should note that the superimposed current cannot exceed the current that the connecting cables and plugs can bear.

Q: If it is partially cloudy or shady will the solar charger still work?

A: Yes, although the charging efficiency will be low causing prolonged charging time.

Q: Will this panel charge a power station?

A: Yes. The Solar Panel can charge Togopower series power station, and also the products of other brands with appropriate power.

Note that charging power station which has excessive power will lead to longer charging time.

Q: Will this panel charge devices by USB port or Type-C port?

A: You can use the Connection Box to make USB charging and Type-C charging possible.

* Connection Box is sold separately.

WARRANTY

TogoPOWER provides a limited warranty for the original consumer purchaser, which covers the TogoPOWER products from defects in workmanship and material under consumer for 12 months from the date of purchase. In order to establish the start date of the warranty period, the sales receipt from the first consumer purchase, or other reasonable documentary proof is required.

TogoPOWER's warranty does not apply to (i) any product that is misused, abused, modified, damaged by accident, or used for anything other than normal consumer use as authorized in TogoPOWER's current product literature, or (ii) any product purchased through an online auction house.

To know more and obtain warranty service, contact our customer service team at support@togopower.com

STATEMENT

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CONTACT US

 322 Paseo Tesoro, Walnut, CA 91789

 1-855-801-0798

 support@togopower.com

 www.togopower.com

100W太阳能板

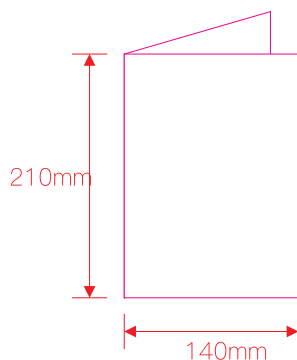
成品尺寸：140(W) x 210(H) mm

页数：12

材质：100g双胶纸，双面黑白印刷

装订方式：骑马钉

公差：±1mm



注：请供应商根据装订产生的位移自行调整文件，要求一页码距离页面边缘保持一致为准

本页不属于印刷内容