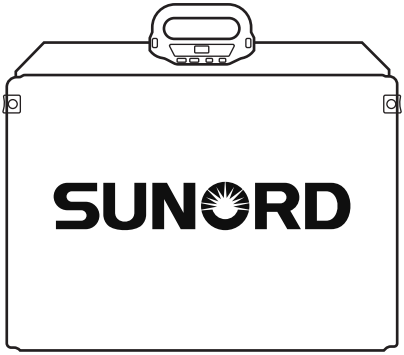
120W Solar Panel

User Manual

Large Capacity But Compact



Before using or storing your solar panel, please read the user manual carefully to operate the unit completely, which can protect human being.

IMPORTANT SAFETY INSTRUCTIONS

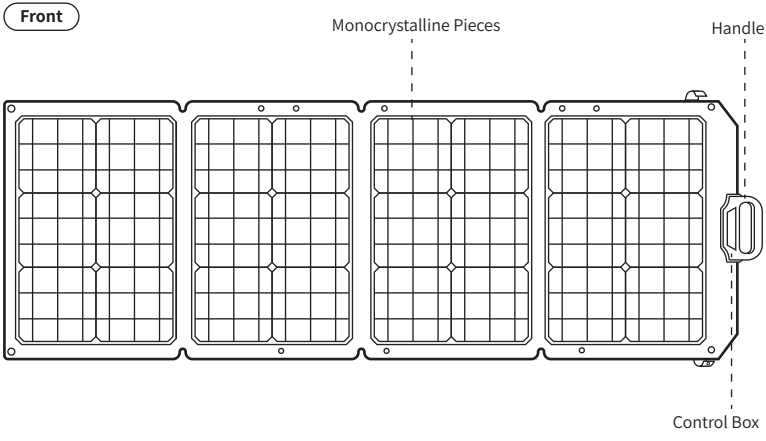
Be sure to observe the following when using it.When used incorrectly，users may be harmed.

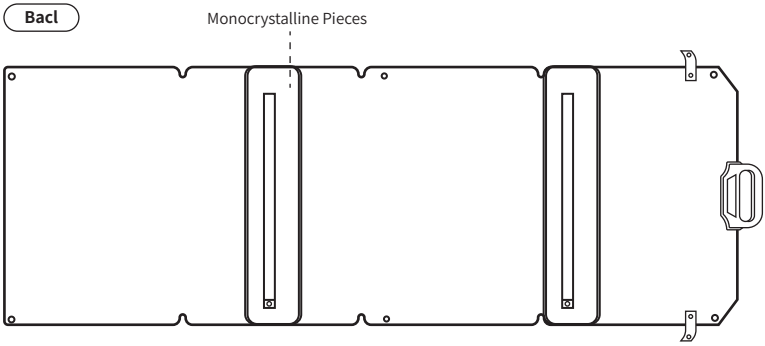
- To ensure that the light receiving surface(board surface) of the solar panel can receive sunlight for a long time,please place it to the south.
- Do not clean the solar panel with water or use it in rainy days.This product is IPX 4 waterproof，but it cannot be used or immersed in the water.
- Do not disassemble，repair，or modify the unit.Decomposition，repair，and modification wil not only prevent the product form functioning properly，but also may result in failure to use it at all.
- Do not use，maintain，or place it in a hot place such as near a fire or heater.This may cause fire，burns，or injury，or cause equipment deformation，malfunction，performance degradation or shorter life expectancy.
- Do not place in shadows around obstacles(especially trees，poles，etc.) .
- Do not pierce the Solar Panel with a nail or other sharp object，break it open with a hammer，or step on it.
- Do not bend the solar panel(the angle is more than 30°) or the panel wil be broken.
- Do not drop things on the glossy surface of the solar panel or get a scratch.
- Keep the surface clean with the dry or damp cloth gently scrubbing it.
- This product can not contact strong corrosive objects.
- Do not charge automotive battery directly.
- Do not connect medical equipment directly related to human life or equipment that may cause personalinjury on a dedicated circuit.
- Please store it out of reach of young children.

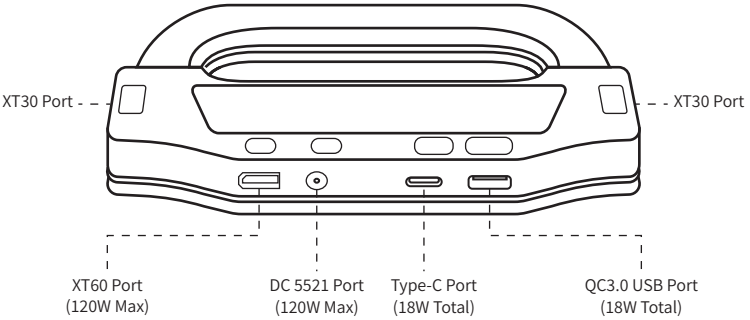
AFTER-SALE SERVICE

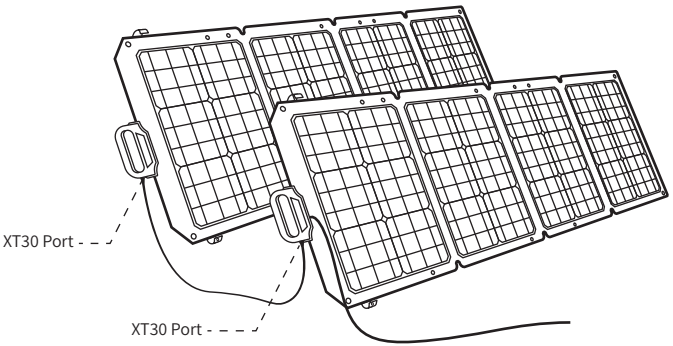
Customer Support：**service@sunord.com**

PRODUCT OVERVIEW





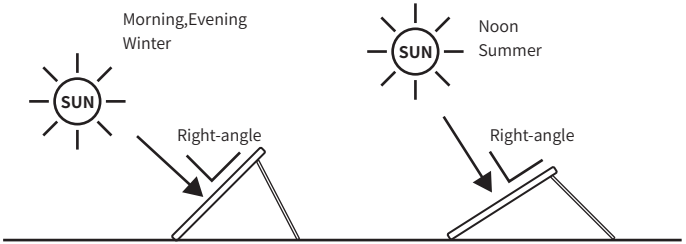




Adjust its angle to face the sun rightly to ensure the light intensity is highest shown;
It can be realized parallel connection by XT 30 connectors located on the both sides of the solar panel with matched cables and get maxpower upto240W.

SETTING METHOD

1.Connect electronic equipment to the solar charger.
2.Please confirm voltage and light intensity of the control box.
3.Please do not place electronic equipment in a place exposed to direct sunlight or in an overheated place but in the back of the panel or in a shady place.





4.Open the solar panel and make it exposed to direct sunlight.(Orientation：100%southwardor 80~85%eastward/westward.Do not place the solar panel northward.Angle：The solar panel should be placed in different angles in df ferent places，and the eff ciency is about 20-30%southward.)

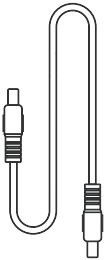
SPECIFICATIONS

Type	Foldable
Model	GB-SP001
Battery Type	Monocrystalline
Cell Efficiency(maximum)	23%
Peak Power	120W
Power Voltage	DC/XT60 18V,USB(5V,9V,12V)
Power Current	DC/XT60 6.66A,USB(3A,2A,1.5A)
Open Circuit Voltage	DC/XT60 24V,USB(6V,10.8V,14.4V)
Short Circuit Current	DC/XT60 7.3A,USB(3.3A,2.1A,1.65A)
QC3.0 USB Port	5V/3A,9V/2A,12V/1.5A
Type-C Port	5V/3A,9V/2A,12V/1.5A
DC5521 Output(Max)	18V/6.66A
XT60 Output(Max)	18V/6.66A
Power Gotten	120W/240W(Parallel Connection)
Folded dimension	22.4*18.5*1.18 inch
Unfolded dimension	65*22.4*0.12 inch
Weight	6kg/13.2lbs
Operating Temperature Range	-10°C~65°C

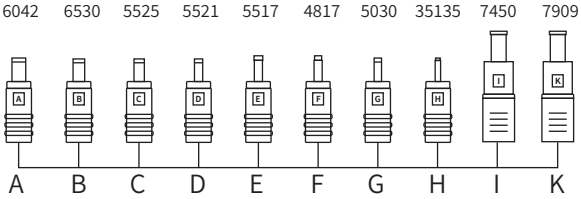
WHAT' S IN THE BOX



GB-SP001 120W
(with a Protective Bag)*1



DC5521 Extension Cable *1



10 to 1 DC Connector *1

FREQUENTLY ASKED QUESTIONS

Q:Can GB-SP001 be interconnected?

A:Yes，the GB-SP001 can be realized parallel connection by XT30 connectors with matched cables and get max power up to 240W.But it can be only parallel ly connected with the other GB-SP 001，but not the unit of other brands or model

Q:Is the GB-SP001 waterproof?

A:The product is IPX4 waterproof and can prevent small amounts of daily splashing.But please keep the unit away from moisture.Do no submerge the unit in water or operate the unit in the rain. Doing so may cause short-circuits，electric shocks，and fire.

Q:Why it can not be used to charge electronic equipment?

A:(1) Plug it again.

(2) After the position of the sun is confirmed，please read just the direction.

(3) Please clean the surface of solar panel using soft cloth.

(4) It should be charged outdoors or in a wel-lighted place in Sunday weather.

(5) Confirm the use environment or weather.The generating capacity is low in cloudy and rainy weather.The generating capacity in cloudy weather is 1/3-1/ 10 of that in sunny weather and the generating capacity in rainy weather is 1/5-1/ 20 of that in sunny weather.

Q:What is the difference between“monocrystalline silicon”and“polycrystalline silicon”in battery type?

A:Monocrystalline silicon battery and polycrystalline silicon battery are produced using different m ethods.Generally the former has better performance and higher price.The latter has lower price，greater loss of crystals and poorer performance.

Q:Can the solar panel generate power in cloudy or rainy weather?

A:Yes，it can，eventhough it generates less power than in sunny weather.The generating capacity in cloudy weather is 1/3-1/ 10of that in sunny weather and the generating capacity in rainy weather is 1/5-1/ 20 of that in sunny weather.

Q:Does the generating capacity of solar panel battery module change with mounting direction and angle?

A:Mounting direction should be 100%southward，80-85%westward and westward，it should not be northward.The angle differs in different areas.The optimal angle should be 20-30° southward.

If any problems occur or you would like to extend your warranty，please contact us for assistance. Please send email to service@sunord.com for help

DISCLAIMER

·Our company cannot beheld liable for damages caused by fire，earthquake，use by a thirdparty，other accidents，intentional misconduct on the part of the customer,abuse or other abnormal conditions.
·The warranty covers all terms and conditions of the warranty.Contents that are not specified in thewarranty terms and conditions are beyond our responsibility.

Intended use:
·120W solar panel is intended as a powersupply for electronic devices with a maximum power consumption of 120W. Our product is not suitable to be used with equipment that relates to one's own personal safety and relies heavily on electricity，such as medical devices，equipment for nuclear facilities，the manufacture of air and spacecraft，etc. We therefore assume no liability for accidents involving personal safety，fires，or machine failures caused by using our product with the aforementioned devices.

LIMITED WARRANTY

products are covered by a 18-month limited warranty from the original purchase date.If any problems occur or you would like to extend your warranty，please contact us for assistance. Please send email to service@sunord.com for help.(In each case，the warranty period is measured starting on the date of purchase by the original consumer purchaser. The sales receipt from the first consumer purchase，or other reasonable documentary proof，is required in order to establish the startdate of the warranty period.)

·Remedy/Return Rules

1.Will repair or replace(at option) any product that fails to operate during 10 months from the date of purchase by the original consumer purchaser due to defect in workmanship or material. If a valid claim is made during the applicable period，at its option，will either(1) replace the new product，or(2) exchange the product with a new product that is of equal value. A replacement product assumes the remaining warranty of the original product or 90 days from the date of replacement，which eve is greater. Customer is responsible for the return shipping costs.

2.If the product exceeds 10 months warranty period，we canon y replace a renewed iem for you. The refurbished products that are inspected and tested to work and look like new. A Renewed supplier who is Amazon-qualified and performance managed，performs a full diagnostic test，replaces any defective parts，and thoroughly cleans the product. The products will have minimal to no signs of wear，no visible cosmetic imperfections when held 12 inches away，and may arrive in a brown or white box with relevant accessories that may be generic.

·Exclusions

Warranty does not apply to any product that is misused，abused，modified，damaged by accident，or used for anything other than normal consumer use as authorized in SUNORD current product literature. We only provide after-sales services for products that are sold by VAT ID or retailers and distributors authorized by SUNORD.If you have purchased your unit from other channels，please contact your seller for more information about return and warranty policy.

·For more information about VAT ID，visit our official website at：www.vat id group.com