Product Instruction Manual

➢ **Product Introduction:**

Thank you very much for using this solar charger. This product can converts sunshine into DC electricity. When you are travelling without any power, you can use this product to power your electrical appliances or digital products. It can support USB, charge your mobile phones, tablets, notebooks, digital products, emergency power units, etc. Before using this product, please read this user manual carefully and save it for future reference.

➢ **Notes!**

➢ **This manual is to help you use the product correctly and it does not involve in any description of hardware and software configuration of this solar charger. For the configuration of the product, please refer to the contract (if any) related to this product, or consult the seller who sold you the product. The pictures in this manual are for reference only. If there are individual pictures that do not match the actual product, please refer to the actual product.**

➢ **Tip:**

- Please read this product manual carefully before using the product.
- Do not use parts or appliances that do not meet product specifications.
- Non-professionals are not allowed to disassemble the product for repair.
- The product should be kept away from the environment with corrosive substances.
- If the wires are loose or the electronic components are exposed, please do not use solar panels.
- For battery specifications, please consult the battery manufacturer.
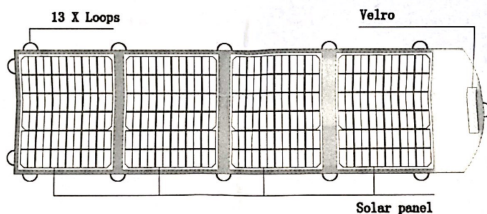
➢ **Product specification and parameters:**

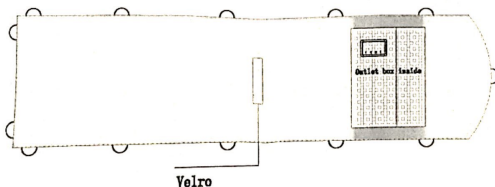|	
Folded size	270 × 230 × 30MM
Expand Size	1040 × 270 × 5MM
Solar panel specification	4×mono crystalline solar panels power: 28W ± 5% Rated voltage: 18V ± 5%
'1' Port	1×USB-2.0 output: 15W with the load, rated voltage 5V±5%
'2' Port	1×USB-2.0output: 15W with the load, rated voltage 5V±5%

'3' Port	1×USB-3.0 output: Supporting QC3.0 ,the fast charge charging devices, maximum power 18W/5V-12V
"4" Port	1×USB-C output: Supporting the PD fast charge charging devices, maximum power 18W/5V-12V
Others	Support four ports to work simultaneously
Use environment	Temperature: -10 ℃ ~ + 40 ℃ humidity: 10%~70%
Storage environment	Temperature: -10 ℃ ~ + 40 ℃ humidity: 10%~50%
Net weight	1.5±5%Kg

➢ **configuration**

[Front]

13 X Loops   Velro

Solar panel

[Back]

Outlet box inside

Velro

[Outlet box]

USB2.0
5V=3A

USB3.0
18W:5V~12V

USB2.0
5V=3A

TYPE-C
18W:5V~12V

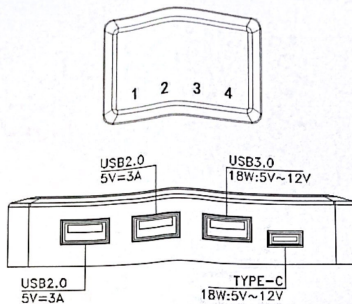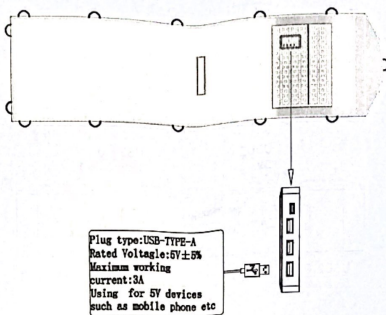➢ **Instructions for user:**

I. Solar panel

- Unfold the solar charger, lay it flat on the ground or hang it facing the sun.

- Place this solar charger in the place where it can be directly exposed to the sun. Please make sure that no shadows are on the solar charger which makes better power output.

- Please tile this solar charger to a proper angle . The right angle can be the same as the local latitude .

BEST   OKAY   BAD

IICharging and connection instructions

A:USB2.0 Port Charging Instruction

```
Plug type:USB-TYPE-A
Rated Voltagle:5V±5%
Maximum working
current:3A
Using  for 5V devices
such as mobile phone etc
```
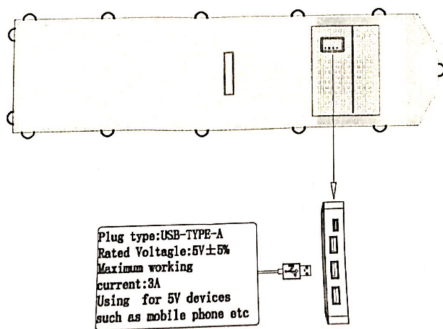
Please connect your USB cable to this port and provide power for your smart phone or any other 5V electronic devices.

Protection mode:Short-circuit/over-power protection: If the USB output is short-circuited or over-power (>15W), this solar charger will automatically stop supplying the power to the electronic device.please eliminate the problem before using it;

B: USB2.0 Port Charging Instruction

Please connect your USB cable to this port and provide power for your smart phone or any other 5V electronic devices.
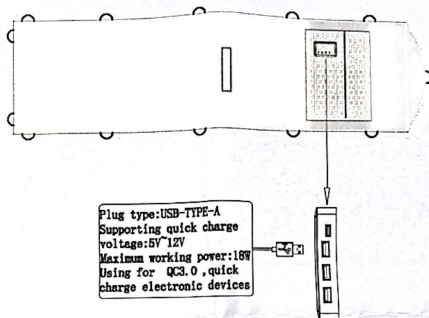
```
Plug type:USB-TYPE-A
Rated Voltagle:5V±5%
Maximum working
current:3A
Using  for 5V devices
such as mobile phone etc
```

Protection mode:

Short-circuit/over-power protection: If the USB output is short-circuited or over-power (>15W), this solar charger will automatically stop supplying the power to the electronic device.please eliminate the problem before using it;

(C) USB3.0 Port Charging Instruction

Plug type:USB-TYPE-A
Supporting quick charge
voltage:5V~12V
Maximum working power:18W
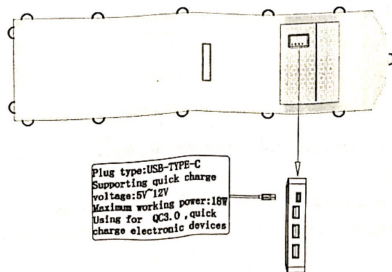Using for QC3.0 ,quick
charge electronic devices

Please connect your USB cable to this port and provide power for your smart phone or any other 5V electronic devices. It can support QC3.0 ,quick charge electronic devices .

Protection mode:

Short-circuit/over-power protection: If the USB output is short-circuited or over-power (>15W), this solar charger will automatically stop supplying the power to the electronic device.please eliminate the problem before using it;
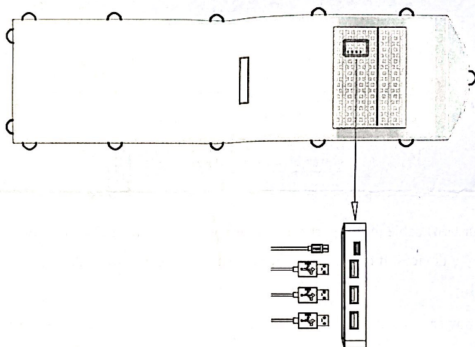
(D) USB TYPE-C port Instruction

Plug type:USB-TYPE-C
Supporting quick charge
voltage:5V~12V
Maximum working power:18W
Using for QC3.0 ,quick
charge electronic devices

Please connect your USB cable to this port and provide power for your smart phone or any other 5V electronic devices. It can support QC3.0 ,quick charge electronic devices .

Protection mode:

Short-circuit/over-power protection: If the USB output is short-circuited or over-power (>15W), this solar charger will automatically stop supplying the power to the electronic device.please eliminate the problem before using it;

(E) The instruction of using four ports at the same time

Supporting USB2.0, USB2.0 , USB3.0 , and USB-TYPE-C ports to work at the same time . However , the charging performance will be weakened. If the electric device needs to be charged quickly, it is recommended to use one port alone for work, and others are not used temporarily;

➢ Safety and Maintenance

(a) Please avoid the device short-circuited and avoid storing the device with metal objects such as coins, jewelry, keys, etc.

(b) Please don't heat the device and or throw it into fire, water ,other liquids

(c) Please don't place the device in a high temperature, humid, and dusty environment;

(d) Please don't collide or disassemble this device privately;

(e) Please don't drop it , place heavy objects on it , or hit it strongly;

(f) Please place this product out of people with low physical, sensory and mental abilities (including children),inexperience and relevant knowledge. This product can only be used unless supervised or directed by a person who can be responsible for their safety;

(g) Please avoid children playing with this product.

(h) Please don't cover this product with towels, clothing, etc. during using;

(i) This product may heat up during charging,which is normal phenomenon.

(j) The charging time should not exceed the time required to charge the product;

(k) After being fully charged , please disconnect the product in time;

> ## Recycling

Please be sure to send used electronic devices and packaging materials to a recycling collection point,which can prevent the uncontrolled wastes from the disposal and promote the material recycling.

> ## Faults and solutions

If the solar charger can not charge your device, please follow the instructions below

1. Make sure that the angle of this solar charger is facing the sun.

2. The best charging efficiency will be made by bright sunlight. Cloudy weather will cause low charging efficiency.

3. Please check whether the connection is damaged between this solar charger and your power unit.

4. Please make sure that all cables and the ports of the adapter are firmly connected.

5. Please make sure that the device being charged meets the solar charger specifications.

6. When the product fails, it has to be sent to the maintenance location for inspection and maintenance. Don't let non-professionals disassemble and repair it . otherwise it will easily cause a short circuit and a fire.

7. Please check the following points to save you time and expense before contacting Maintenance

8. Common faults and solutions:

Common fault	Failure analysis	Solution
No power output	The electrical switch is damaged	Please replace the electrical switch
The output is repeatedly turned off.	short circuit	Please check this solar charger or your device until you find short circuit ,or please call the maintenance center .
	Low battery	Please use it until the battery is fully charged .
Short working hours	Insufficient charging or Excessive use of power	Please fully charge before using or reduce power consumption .
	Battery is damaged	Please replace the battery

> **Configuration list**

No number	Name	Quantity
1	28W 18V foldable solar charger	1pcs
2	Instruction manual	1pcs