

# User Manual



Version 1.0

## Attentions

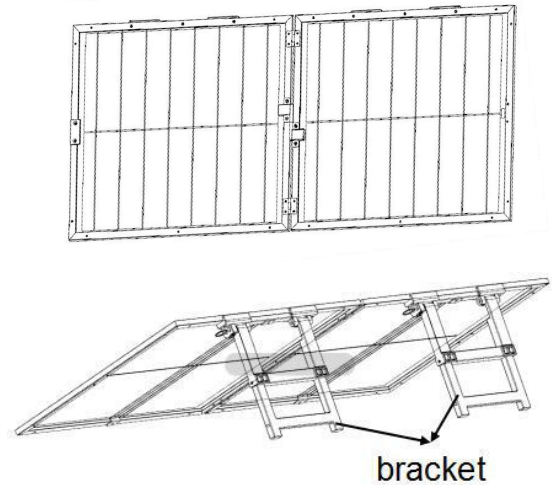
- Keep products staying away from the fire source.
- Make sure the batteries be charged before using, there are two ways of charging: power source and solar panel.
- Disassemble or dissect the internal components without permission is forbidden. Otherwise, Boly is not responsible for after-sales maintenance.
- Do not use metal conductors to touch the point of battery to avoid short circuit.
- Sharp objects are not allowed to touch the solar panel, any objects pressed on the solar panel is not allowed.
- **Please use Pointed Head 18650 Battery.**
- Please read the instruction before use. Improper operation may damage the built-in battery and electrical components.

## • General Description

This product, a solar charger contains A solar panel and A mobile power bank, converting solar energy to electricity via high-efficiency monocrystalline silicon. Folding design, small size and lightweight are easy to carry. The solar charger supports USB output of 5V/2A and 5V/1A, DC output 12V/1A for LED light, and 12V/3A DC port for the car charger. With this, you can charge mobile devices, electronics, lights and so on.

Mobility can be charged by solar panel or power source(18V/2A).

## Structure chart



Solar Panel



Mobile Power Bank

## • LED lights signal

1. Input: left LED lights (two colors) indicates charge state.
  - Red indicates charging;
  - Green indicates charging completed;
  - No light indicates no charge;
2. Output: right LED (two colors) indicates battery capacity.

LED	Red	yellow	green
Battery Capacity	<30%	30%-70%	70%-100%

## Charging

There are two ways to charge this product.

1. When using solar energy to charge, please make sure

sunlight shining vertically on the solar panel, it helps to get the best charging efficiency. When solar charger supplies power to other electronic devices during charging, charging time will become longer, which is normal.

Solar charging efficiency is influenced by weather, latitude, season, etc. A sunny day will make charging time much less than cloudy days.

2. Contact Mobility to power supply source with a DC adapter, the head of the adapter should be 1.7mm inner diameter and 4.0mm outside diameter. Please make sure the output port of adapter matches the input port of mobile power bank. After fully charged, please plug out.



There may be a slight fever and sounds during charging with adapters, which is normal. AC adapter is not included in the packaging.

**Attention: Be sure to charge the device with an AC adapter for no longer than 5 hours! Otherwise, it will damage the product, causing overheating, fire or other damages.**

## Installation

Batteries installation:

- Place back upside;
- Put the batteries into the battery compartment, and positive face to the top.
- Put the backside cover and lock the back cover with screws.

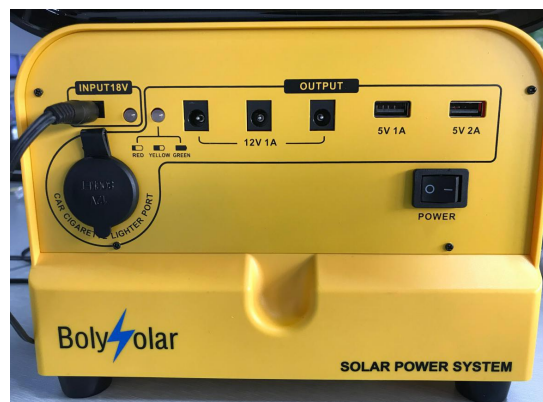


When using this product in an outdoor environment, please install the solar charger according to the following steps:

- Place the solar panel on flat ground and adjust the angle of

the bracket to ensure sunlight shining directly on the solar panel.

- Insert the cable port of the solar panel into the input port of mobile power bank.



- Plug in the LED light and turn on the power switch.
- Use a USB cable connected to the mobile power bank to charge your phone or other electrical devices.



**Attention: Please make sure nothing pressed on solar pallet.**

## Technical Specifications

Solar Panel

Dimension	folded: 400*348*60mm unfolded: 797*348*30mm
Weight	2.07Kg
Power	42W
Output Voltage	18V
Output Current	2.3A (max)
Cable Length	2M, line loss<3%
Working Temperature	-20 ~ 80°C

#### Mobile Power Bank

Dimension	205*150*198 mm
Input current	18V/2A
Output current	USB: 5V/2A and 5V/1A
	DC: 3pcs 12V/1A
	DC port for car charger 12V/3A
Weight	1.04Kg (battery not included )
Battery	24x 18650 Pointed Head Batteries (not included in the package)
Transfer Efficiency	85%~90%
Waterproof Rating	IP21
Charge Temperature	-20 ~ 50°C
Discharge Temperature	-20 ~ 60°C
Circuit Protection	Short Circuit protection
Security Authentication	FCC,CE, RoHs

#### Abandonment Cautions



Ensure correct disposal of this product. This marking indicates that this product should not be disposed with other household wastes throughout the EU. To prevent possible harm to the environment or human health from uncontrolled waste disposal, recycle product responsibly to promote sustainable reuse of resources. To return your used device, please use the return and collection systems, or contact the retailer where the product was purchased. They can take this product for environmentally safe recycling.

#### Mobile LED light

Power	3W
Voltage	12V
Luminous Efficiency	120-165Lm/W
Light Fades Rate	1000H <1%
Cable Length	5M

#### Accessories

Part Name	Quantity
Solar panel	One
Mobile power bank	One
LED light	One
Product manual	One
Screws	7pcs
Screwdriver	One