

# Solar Charger with Carabiner

SB-2117/Portable charger with carabiner/universal charger

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This portable digital device mobile charger adopts high-performance lithium battery, with capacity of 1100mAh. This unit can charge various digital products via different connectors, such as: MP3 player, MP4 player, PMP, PSP, PDA etc. To charge this unit via computer USB port, solar energy or matching charger. It is convenient to charge your digital products with carabiner design at anytime and anywhere.

## Functions & Feature:

- ▶ It adopts environment friendly lithium battery with capacity of 1100mAh
- ▶ Powered by solar energy
- ▶ Suitable for products with voltage of DC 5 V $\pm$ 0.5V and current of  $\leq$ 500mA
- ▶ Smart protection chip: over-charging protection, over-discharge protection and short circuit protection
- ▶ It is convenient to charge your digital products at anytime and anywhere
- ▶ Elegant appearance, carabiner design, convenient to carry

## Main Technical Parameters:

### 1) Main Parameters :

Time of being fully charged by adapter	2.5~3.5 hours
Time of being fully charged via computer USB port	3.5~5.5 hours
Time of being fully charged under sunlight( 500W/ M <sup>2</sup> )	150~160 hours
Rated USB output voltage	5.3V~5.6V
Rated V8 input voltage	5V~5.2V
Max. current flux of being charged by solar( 750W/ M <sup>2</sup> )	$\geq$ 20mA
Max. load current	500~650mA

### 2) Main parts life-span :

The whole unit	5 Years
The plastic part	5 Years
Cycle life	$\geq$ 500 cycles
After 500 cycles, the capacity remains more than 80%.	

### 3) Size and Weight :

Product size	90*61*23 mm
Product weight	58 g

### 4) Others :

Battery capacityLithium battery	1100mAh/3.7V
Solar panel	6V, 20mAh

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## Operation Method:

### ► Charge the unit

**Note: Charge this unit fully for first-time use. There are three ways to charge it:**

Way 1, Charged via computer USB port: connect the V8 input port with computer USB for charging.

Way 2, Charged by supplied charger: connect the V8 input port with adapter for charging.

Way 3, Charged by solar energy: put the solar panel upwards under the sunlight for charging.

### ► Charging for digital devices

★ This product can also charge other digital devices while being charged.

★ This product can supply power or charge for devices with voltage of DC  $5V \pm 0.5V$  and current of  $\leq 500mA$ .

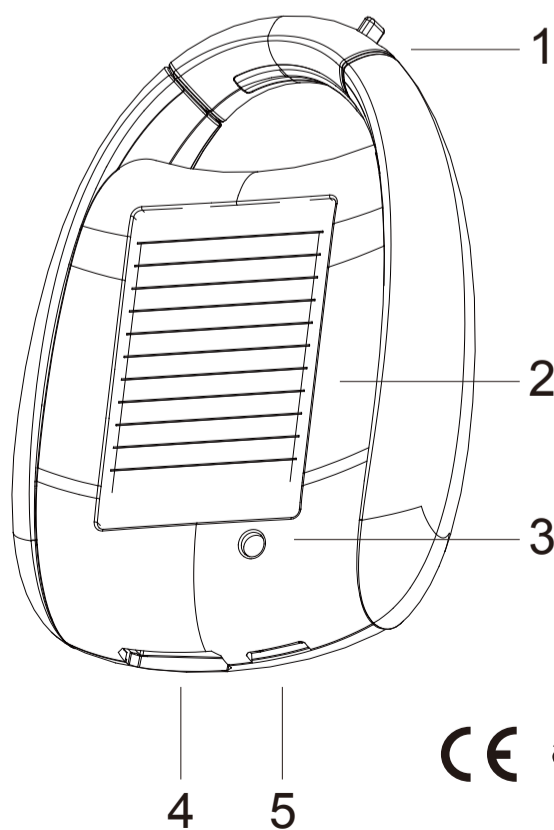
★ If the input voltage is  $5V \pm 0.5V$ ,  $\leq 500mA$ , you can use the USB/V8 cable and connectors supplied by our company to charge it.

**Note: Check the scope of voltage and current of charged devices before charging.**

(If the product is down caused by the overloading or short circuit please recharge the solar charger for activating.)

## Cautions:

1. Please use charger supplied by our company.
2. Charge this unit fully for first-time use.
3. Before charging for digital products, please check the voltage and current of the charged device.
4. Avoid dropping, hitting, disassembling, maintaining and modifying by yourself.
5. Cleanse it with dry towel when it gets wet, do not dry it by the high temperature.
6. Avoid using in a place where temperature is too high (more than  $60^{\circ}C$ ), too moist or too caustic.
7. Don't change the connectors at discretion, otherwise the power output/ input port will be damaged.
8. Don't use this product in place where surrounded by flammable gas.
9. Our company reserve the right to improve product. The product design and specification may change without notice.



1. Carabiner
2. Solar panel
3. Charge indicator
4. USB port
5. V8 port



MADE IN CHINA