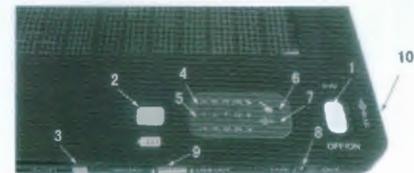


## I. Product presentation

This product is a multi-functional solar charger for laptop, with high quality polymer lithium-ion battery, can charge your laptop, mobile phone, Iphone, Ipad, digital camera, vidicon, PDA,MP3,MPP4,Mini loudspeaker box and other digital products at anytime and anywhere. and it has laptop appearance, luxury sculpt, small and exquisite, environmental protection, fashion and elegant. If there is no sunlight for long time,you can charge the solar charger itself by our specified adapter from AC.When you are in evecton,travel,on long-distance bus or ship, field work and so on, you can take the product with you.

## II. Conformation



PIC 1: Voltage adjustment/ Power ON/OFF switch  
 PIC 2: Voltage indicator ON/OFF Switch  
 PIC 3: 3V-12V/16V-24V Voltage option switch  
 PIC 4: 3V/6V/9V/12V Voltage indicator  
 PIC 5: 16V/19V/22V/24V Voltage indicator  
 PIC 6: AC Charging indicator  
 PIC 7: Voltage output indicator  
 PIC 8: Voltage output interface  
 PIC 9: 5V USB Output  
 PIC 10: AC Charging input

### III、 Specification

1. Lithium ion polymer Battery capacity: 3.7V 20000 mAh (74Wh)/54500MAH/210W
2. Output voltage(v): USB 5V,3v/6v/9v/12v/16v/19v/22v/24V(optional)
3. Output current: 1A/3V/5V, 2A/6V/9V/12V, 4A/16V/19V/22V/24V



4. Charge voltage: 100~240V AC/DC(special adapter), 5,Charging time: <4-6hours
6. Solar charging time:85-300hour
7. Electric eye dimension : 235mmx145mm
8. Peak power supplied by photocell: 5W
9. for the first time,you must charge this product for 12 hours,and thenchargeand discharge three times.
10. color:black red,black silver.
11. product size: 285x205x23mm.
12. weight: 20000MAH:900g/54500mah:1100.

### IV、 operation and usage

- 1、 ON: press the power on/off button (PIC 1) and hold for about 4 seconds, 4 voltage indicator lights are light, It begins the circular self-examination.
- 2、 voltage adjustment: Double-click the power button (PIC 1), the voltage will adjust circularly from low to high, double click the button, voltage grade will jump to next higher level.
- 3、 OFF: press the power on/off button (PIC 1) and hold for about 4 seconds, Light and power both are off, and circuit turns into dormancy operation.
- 4、 Output voltage options: When (PIC 3) switch on the left, the output voltage is between 3V-12V. When (PIC 3) switch on the right, the output voltage is between 16V-24V.double-chick the "power" button (PIC 1), the voltage can be changed and recycled.
- 5、 Charge the built-in polymer battery: With AC100-240V adapter and with car DC12-24V, both ways can charge built-in battery. Green light on when charging is full.
- 6、 When placed under the sunshine ,the solar panels will automatically

7. diagram:

① charging the product by our adapter:



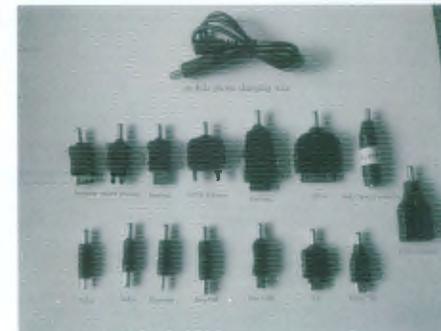
(PIC 6) red light on,

② charging mobile phone and other digital products:

after starting up the solar charger, charge your mobile phone form USB port (5V) :



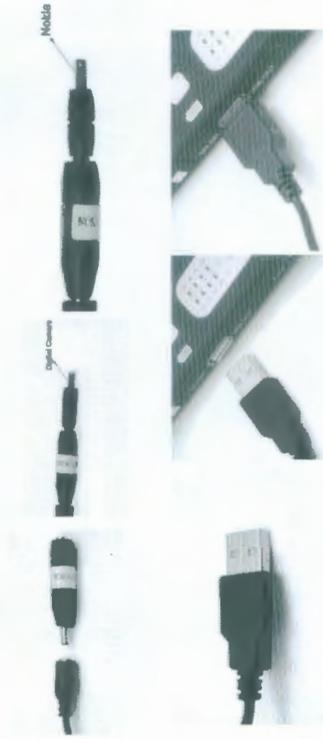
when it is full charged, the green light will be shut down.



(1) normal way



(2) special for Nokia and digital camera



③ charging laptop:

please choose the right output voltage for your laptop before connecting the solar charger and your laptop.



please check whether it works well or not, and you can charge your mobile phone and laptop at the same time!

#### V、Announcements:

- 1、 Please don't use sharp object scratches on the surface of solar panels;
- 2、 When you use the solar energy to the charger built-in rechargeable battery, please Please put solar panels under the direct sunshine, to ensure the optimum charging effect.
- 3、 Please don't use computer or exchange adapter to charge built-in rechargeable battery for long time, when it is full charged, please stop charging(except the first,second and third time need to charge 12 hours).
- 4、 Please use this product special AC adapter. Don't use other AC adapter to charge this product.
- 5、 Please don't put this product outdoor in the rainy day.
- 6、 If because of the short circuit protection, only pulled out a short circuit load, using AC charger rapid charging indicator can activate, 10 seconds can be restored.
- 7、 Please be sure not to isassemble the machine. Otherwise it is without the scope of the my quality assurance.
- 8、 when you power on the notebook (laptop), this equipment can automatically detect a smart charging voltage, and only charge for the right voltage, if not the right one, it can't work,At the same time, it supports for manual adjustment. Intelligent overpressure also has the overcurrent protection, when manually select the wrong time, it will automatically shutdown. Product Characteristics:

12

- ◎ Maximum battery capacity is 20000/54500MAH, can support the notebook continue working for 4 hours
- ◎ streamline design, small size, light weight, easy to carry out.
- ◎ wide range of application: can support MP3/MP4/IPOD/PSP game / mobile phone / PDA / CD player / GPS / digital camera / digital camera / Notebook and other electronic products.
- ◎ exclusive output voltage regulator functionality, stable pressure drop "3%, which can protect your electronic products, extend the service life.
- ◎ Product temperature is low, excellent low-power path design, energy conversion efficiency >"92%, can up to 93.4%, the highest performance of similar products at present.
- ◎ use super-iron shell explosion-resistant extrusion, safe and reliable in the world.
- ◎ Exclusive market up to 5V,3v/6v/9v/12v/ 16v/19v/22V/24V output, 2 into five functional design
- ◎ We have the exclusive maximum output in the market -24V 4A 96 Watt, can support large trucks battery recharge
- ◎ standard with 16 adapter suitable for a variety of Notebook products.
- ◎ use of high-energy polymer lithium battery, the working environment temperature - 10 ℃ to +70 ℃, high security, no risk of explosion.
- ◎ cycle life is more than 500 times
- ◎ high-efficiency Polysilicon solar panel, conversion rate " > 16%, normal life" >20 years.
- ◎ LED lighting features.
- ◎ High-frequency mosquito repellent feature

13

## VI. Maintenance

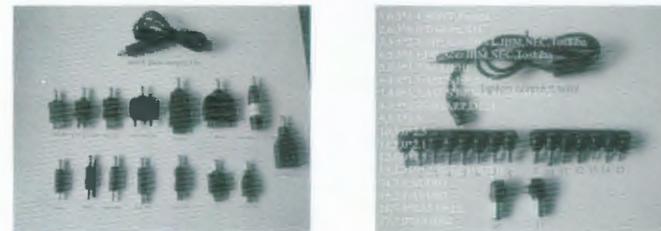
1. in order to insure the perfect work, you need to charge the battery saturated by the mains supply at first time.
2. If the power station is shelved and untapped out of three month, you'd better to charge the inner battery to 80% (that is till the sixth LED get light).
3. Charge :
  - A. Mains supply;  
The time of finished charge is 4-6 hrs with adaptor (DC12V-20V), the LED will circulate to scheduled indication (till all of the LED get light),
  - B. Solar supply;  
The time of finish charge is 12-20 hrs with the solar (depend on the light strength) the "Solar Charger" LED gets light.

## VII. Advantage

1. fancy design, Touch switch capacity/voltage, voltage simulation and power status indication.
2. Intellect protective IC, achieve protection of over charge, over release, over loading and short circuit.
3. Different adaptor available, suits for most of mobile phone, MP3, MP4, PDA, GPS, digital camera and laptop.

## VIII. Accessories

1. Solar charger: 1pc
2. Output cable : 2pcs
3. connent plugs: for mobile phone: □5 □15 □17



For laptop: □8



4. Colour box package
5. Car DC /DC 12~24V 2A charger 1 PC (for 54500mah/bd245(2)).

IX. Enclosed (model and standard)

Model	Capacity (mA/h)	Max output current (A)
Bd245	20000MAH/74WH	Output voltage: 5V (USB); 3V,6V,9V, 12V/16V、19V、22V、 24V; output current: 1A/3/5/6V, 2A/9-12V, 4A/16-24V);
Bd245 (2)	54500MAH/210WH	Output voltage: 5V (USB); 3V,6V,9V, 12V/16V、19V、22V、 24V; output current: 1A/3/5/6V, 2A/9-12V, 4A/16-24V);

Remark : this specification and appearance just for your reference, it is to be noted that all these information are subject to change without notice, Pardon the Inconvenience!

### WARRANTY POLICY

All products sold by our retailer are covered by 12 months warranty.

For warranty purpose, please attention below warranty policy.

1. To validate the warranty please get retailer official seal.
2. Warranty card will keep in your home, do not missing or counterfeit the card.
3. If the product is malfunction and no artificial reason please return the faulty product, with this warranty and invoice to our appointed repair agency, you can get free repair service.

Under warranty period, warranty policy will not guarantee below situation.

1. Damage caused by improper shipment and loading.
2. Make bold to disassemble and refit the products.
3. The product has been rendered non-functional as results of environmental condition\.
4. Malfunction because force majeure (fire, earthquake, lightning strike etc.)
5. False operation and maintenance do not regarding the manual instruction.
6. Product serial No. not conformity with warranty card or alteration of the models do not match.

Other products if not under warranty policy, you can get after sale service but not free charge.