

## SLUC-01 Product Manual

Thank you for choosing the solar powered USB charger SLUC-01.  
Please read and follow the instructions for your benefit and safety.

### 1. Product specification

- Model : SLUC-01
- Input : DC 5V 600mA (micro USB)
- Input : DC 5V 50mA at 1 sun sunlight
- Output : DC 5V 600mA (std USB)
- Built-in battery : 3.7V 1000mAh Li-polymer
- Charging time : 1.5hrs by USB 5V 600mA ; 20hrs by 1sun sunlight
- Flashlight : 38 lumen LED
- Laser Pointer :
- Weight : 50g
- Size : W29 x D99 x H19 (mm)
- Country of origin : Republic of Korea

### 2. Components in Package

SLUC-01 + USB cable + Product Manual

### 3. Applications

- Use to charge portable devices such as MP3, Mobile Phones, PSP, PMP and PDA etc.
- Use as portable LED flashlight
- Use as portable laser pointer
- Charge and discharge as portable handy Li-polymer battery bank

### 4. Features of SLUC-01

- Charging portable electronic devices
- Highly reliable LED flashlight and laser pointer
- Two LED flashlight modes: continuous mode and blinking mode
- Solar powered with 22% efficiency solar cells
- Overcharge/overdischarge protection circuit design
- Rechargeable Li-polymer battery (1000 charging cycles)
- Maximized battery stability and lifetime by Li battery charging IC

### 5. Operation methods

- Power ON/OFF : for power on, briefly press the touch button at flashlight side for 0.5sec. For power off, press touch button at either side.

- Laser pointer ON/OFF : for laser pointer on, press the touch button at laser pointer side. Laser pointer is on only while the touch button is pressed. Recommended to use less than 20secs not to damage laser inside.

- Flashlight ON/OFF : for flashlight on, press the touch button at flashlight side over 1sec. If the touch button is pressed successively, then flashlight goes to the blinking mode.

- Keep the power off when not in use to save battery energy.

### 6. LED lamp indications

- Battery charging status (at power off)

Status	Charging	Charged
by sunlight	red blinking	green
by USB	red	green

- Battery level status (at power on)

Status	Above 30%	Below 30%
Lamp indication	green blinking (1sec interval)	green fast blinking (0.5sec interval)

#### 7. Battery charging method

- To charge with USB electricity, connect SLUC-01 to your computer or USB power with the enclosed micro USB cable.
- To charge with sunlight, expose SLUC-01 under sunlight. Right angle sunlight incident to solar cells maximizes the solar charging.
- LED blinks red while solar power is charging.
- LED blinks green while SLUC-01 charges your portable electronic devices.
- Turn power off after completing charging your portable electronics devices.
- Leave SLUC-01 power off when you charge SLUC-01 through USB.
- For safety, it is designed not to use both USB connectors (USB in/USB out).
- The certified USB cable is to be used.

#### 8. Warnings

- Make sure to disconnect SLUC-01 from USB power source after completed use.
- Avoid from water or humidity.
- Do not use unsuitable charger or adapter.

#### < Cautions >

Manufacturer is not responsible for the damage to SLUC-01 caused by inappropriate use of or hampering the product, ignoring the following cautions.

- (1) Do not use keen objects or sharp fingernails to press down the touch button, which may lead to damage the touch button.
- (2) Keep out of reach of children for safety. Direct irradiation of flashlight or laser pointer to bare eyes may cause the eye vision problem.
- (3) Do not attempt to use the product with wet hands and avoid from water or humidity, which may cause electric shock to the body or damage to the product.
- (4) Do not use the product outdoor during rain or snow, which may cause electric shock to human body or damage to the product by electrical short.
- (5) Do not use the product indoor or outdoor under lightnings or thunderbolts to protect from electrical shock or product damage.
- (6) Do not expose the product to the hot temperature or fire flame.
- (7) Do not disassemble or attempt to modify the product. This may cause fire or battery explosion.
- (8) Do not use product out of the temperatures between 0°C - 40°C.
- (9) Do not use the product during driving vehicles, bicycles, or motor bike.
- (10) Do not leave the product in the car in summer where the temperature inside car goes above 80°C. High temperature may cause Li-battery explosion.
- (11) Keep dust or particles from being gotten into the product. This may cause the electrical short damage to the product.
- (12) Do not place heavy weight on the product or avoid strong mechanical shock to the product, which may cause damage to the product.
- (13) Do not clean the product with water, benzene, thinner, or like chemicals, which may cause fire, electrical shock, or deform the product surface.
- (14) Stop using, disconnect power connection, and call for service immediately when it smells strange, sounds noise, fumes or burns during use.

(15) Do not leave the product on in the sealed space for a long time. Charge or discharge with the certified USB cable or charger provided only.

(16) Do not use the product on the flammable blanket and carpet or electrical mat for long time.

(17) Avoid the electrical short to the battery terminals by conductive objects such as metallic necklaces, coins, keys, watches, and etc.