

# Light-energy dynamo flashlight

SB-6023/Charged by light energy

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## ● Features:

- ▲ Cranking for power generation, no external batteries are needed, green, eco-friendly, economy and safe.
- ▲ High luminous (3 LEDs for lighting), meet the basic needs of lighting.
- ▲ Can be charged under the room light.
- ▲ Unique design, low noise but high efficiency and long lifespan.
- ▲ With the soft protection frame can protect the solar cell from damaging.

## ● Main Technical Parameters:

	≥7 min
Lighting time after 20 minutes cranking by light energy	≥6 min
Luminous flux	≥6 Lm
Lighting time when fully charged	≥100min
Lighting distance	≥10m

## Main Parts Life-span:

	50,000 hr.
LED light	100,000 times
Switch lifetime	5 yr.
The whole unit lifetime	5 yr.
Plastic part lifetime	

## Size and Weight:

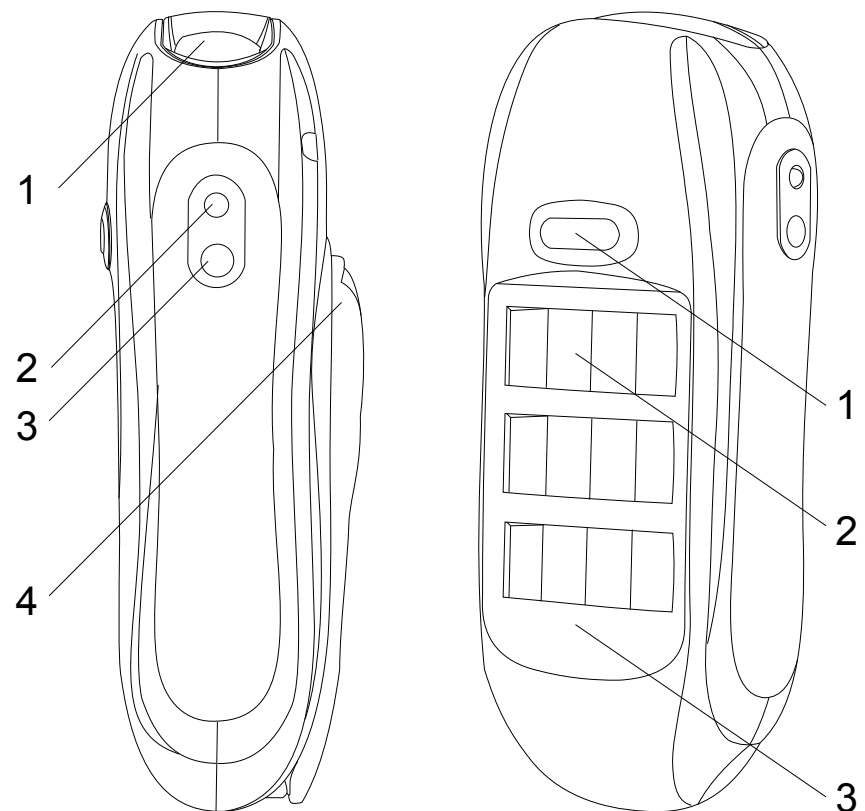
Size	123*45*40mm
Weight	113g

## Others:

The built-in battery specification	80 mAh, 3.6V, NI-MH battery
Amorphous silicon solar cell	6V, 15uA
Motor	With brush 300

## ! Cautions:

1. Don't point at eyes directly so as not to hurt the eyes.
2. Pay attention to the holding gesture when cranking, and crank it as even as possible (keep rotating steadily).
3. In order to assure the using life of the battery and the mechanical components, please pay attention to the things below:
  - 1) When the light is dim, it means the battery is lack of power, please turn off the light and crank it for a while.
  - 2) Cranking the handle at least 1 minute once a month to prolong the life of the product.
4. Do not place this product in which temperature or humidity is high. Do not drop or hit this product.
5. When charged by light energy, the illumination would better be more than 200LUX.
6. The product will be a little hot if cranking for a long time.
7. We do not give notice again if the parameter of this product changed.
8. We reserve the final right to interpret this product.



1. LED Light
2. Indicator
3. Indicator Switch
4. Cranking Components

1. Light Switch
2. Amorphous Silicon Solar Cell
3. Soft Protection Frame

## ● Usage Method:

- ▲ lighting: press the switch button, the light will be ON, and press the switch button again, the light will be OFF.
- ▲ Powered by hand cranking: unlock the handle, crank it at the speed of 3 circles per second.
- ▲ Powered by light energy: under the room light, put the Amorphous silicon solar panel upwards for charging. (press the indication switch now, the indicator will light up )