

SB-6013 LED Dynamo Lantern

Working Principle

This product adopts the principle of cranking for power. Cranking the handle to drive the generator to generate alternating current by professional designed driving gear. Then changing the alternating current into DC after commutating and voltage stabilizing which to charge its inside battery, so as to achieve energy converting and accumulating. A metal handle designed to carry the product and a power switch to control the LED light cluster.

Product Functions

1. 6 LEDs lighting with high-luminance
2. Cranking for power generating and accumulating in high-efficiency
3. With a metal handle to carry

Product Features

1. Cranking to generate power, no external batteries needed, rechargeable power-storage: Green, environmentally friendly, economical and safe
2. Unique spotlight system (6LEDs), good for short and middle range distance lighting.
3. Perfect combination of the light weight and high efficiency. Low noise and long lifespan.
4. Compact structure, perfect touching sense.

Main Technical Parameters

1) Lighting :

| | |
|---------------------------------------|------------|
| The Max. Luminous Flux | 6.5Lm |
| Lighting time after 1 minute cranking | 25minutes |
| Lighting time after fully charged | 100minutes |
| Fully charged time by cranking | 10minutes |

2) Main parts life-span:

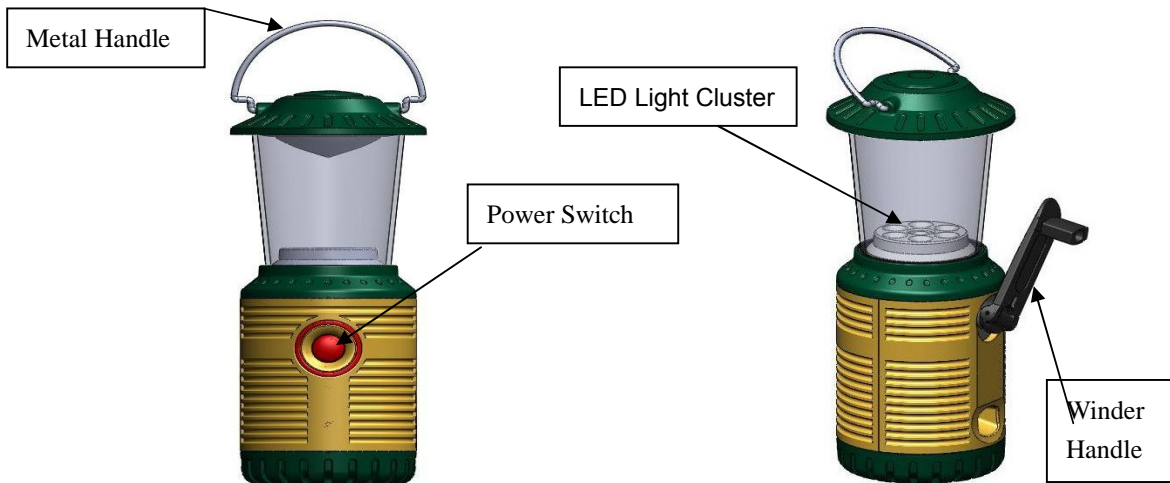
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|------------------|---------------|
| Switch | ≥100000 times |
| The whole unit | ≥5 years |
| The plastic part | ≥5 years |

3) Size and Weight :

| | |
|-------------------------------|------------------|
| Product size (locked handle) | About76*76*180mm |
| Product weight | About 199.1g |

4) Others :

| | |
|-----------------------------------|-------------|
| Specification of built-in battery | 80mAh, 3.6v |
|-----------------------------------|-------------|



Operation Method

1. Charging operation:

- 1). Charge its inside battery: hold the unit and crank the handle by the other hand at the speed of 2.5-3 circles per second to charge its inside battery.
- 2). Lock the handle after using.

2. Lighting: press the switch to turn on and press the switch again to turn off.

Cautions

1. Don't point at eyes directly so as not to hurt the eyes.
2. Pay attention to the holding gesture when cranking which can protect your finger and nail from hurting. Keep rotating steadily.
3. In order to assure the using life of the battery and the mechanical parts, pls pay attention to the instructions below:
 - a) Do not crank it for more than 5 minutes when the power of the battery is enough (lighting normally) and less than 10 minutes when it runs out of power.
 - b) When the light is dim, it means the battery is lack of power badly, pls turn off the light or crank it for a while.
 - c) Cranking it as even as possible (keep rotating steadily, 2.5 or 3 circles per second is best). Too slowly cranking would make current weak and influence the charging efficiency, and too violent cranking possibly damages the driving system.
 - d) In order to prolong the lifespan of the battery, you should crank it for at least one minute once a month.
4. Do not place this product in which temperature or humidity is high . Do not drop or hit this product.
5. Turn off the light when charging in order to enhance the efficiency of charging .
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.

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