

LED WATERPROOF FLASHLIGHT

SB-3046/Waterproof under 10m water

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Size: 173mm*69mm*56.5mm Weight: 312g

Working Principle:

This item uses 3 phase brushless generator for power generation, which is commutated to charge its built-in 800mAh Ni-MH battery. External electrical source (DC 6V, DC port $\phi 3.5 \times \phi 1.35$, anode inside and cathode outside) can also be used to charge the inside battery, with charging current 150-200mA. A tact switch is used to control the lighting circuit: 2 LEDs on - 1W LED on - 1W LED flashes - off . It can be also used to charge mobile phone via a charging cable and the DC socket, The charging current is 700-800mA.

Functions :

1. Cranking for power.
2. Cranking to charge mobile phone quickly.
3. High-luminance : 1W LED for lighting.
4. Electronic switch function: 2 LEDs on/ 1W LED on/1W LED flashes.
5. Waterproof under 10m water.
6. External electric source of 6V to charge the inside battery, the charging time is 8 hours. There is charging indicator.

Features :

1. Cranking for power generation.
2. The Max. Luminous Flux is more than 250000 Mcd.
3. Sealed structure, waterproof under 10m water, you can also crank it under water.
4. Long lifespan.
5. Low noise while cranking.
6. Shock-proof and crashproof.
7. High current to charge mobilephone.
8. Single socket for two way charging function.
9. Long lighting distance, more than 100 meters.

Main Technical Parameters :

Item	Parameter	Unit	Adapter:	Mobilephone's talking time after 3 minutes
The Max. Luminous Flux	1W LED	35 Lm	Voltage input AC 100-240 V	charging 4-15 Minute
$\Phi 5$ LED	4 Lm		Current output >200 mA	The Max. current output 700-800 mA
Lighting time after 1 minute cranking:			Selected car charger	Charging time by external power source 8 Hour
1W LED	20 Minute		Voltage input DC 12 V	Waterproof degree 10 Meter
$\Phi 5$ LED	60 Minute		Current output >200 mA	Lighting distance > 100 Meter
Lifespan:			Item Parameter Unit	The whole unit 3 Year
1W LED	1000 Hour		Lighting time after being charged fully	Voltage output DC 6 V
$\Phi 5$ LED	50000 Hour		1W LED 8 Hour	Voltage output DC 6 V
The plastic part	5 Year		$\Phi 5$ LED 60 Hour	
The Plug	5000 Times		Flashing frequency 2 HZ	

Operation Method:

1. Lighting:

Cranking the handle at the speed of 2.5-3 circles per second for about 1 minute, press the switch, the light will be on: 2 pieces of $\Phi 5$ LEDs on—1W LED on—1 W LED flashes—off .

2. Charge a mobile phone:

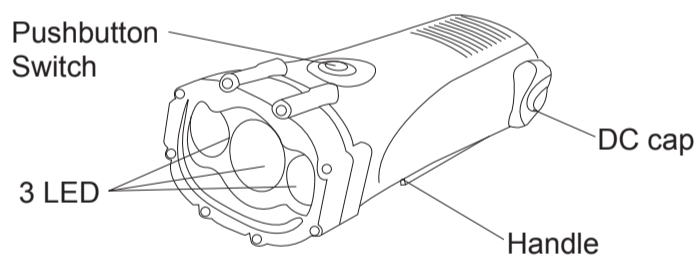
Uncap the DC cover, insert one end of the charging cable into this product and the other end into the mobilephone; cranking the handle at the speed of 2.5-3 circles per second, when the mobilephone gives indication, it means charging.

3. Charging the built-in battery by adapter (DC 6V):

Insert one end of the adapter into the electrical outlet and the other end into the DC port of this product, when the indicator lights, it means charging. You can use the adapter that our company provides.

4. Charging the built-in battery by car charger (DC 6V):

Insert one end of the car charger into the car and the other end into the DC port of this product, when the indicator lights, it means charging. You can use the charger that our company provides



Cautions :

1. Fully insert the plug into the socket, otherwise it possibly leads to circuit shut off.
2. Crank it as even as possible (keep rotating steady). Too slowly cranking would make current weak and prolong the charging time, and too violent cranking possibly damages the power driving system. Keep cranking to charge a mobilephone continuously, otherwise the power consumption will increase and affect the charging effect.
3. Pay attention to the holding gesture when cranking so as not to hurt your fingers.
4. In order to protect the battery's using life and the product's mechanical life, do not crank it for power continuously for more than 10 minutes.
5. Do not place this product in a place where temperature or humidity is high.
6. This product may not fully charge the battery of a mobile phone.
7. Strictly use the cable that our company specifies to charge the specified mobile phones, otherwise it possibly damages the mobile phone or a mobile phone's battery.
8. Crank it one time for no less than 1 minute per month to prolong the using life of the battery.
9. You must make sure there is a certain amount of juice inside the battery for long-term storage. When the product runs out of juice or when the light is dim please charge it on time. To ensure the performance of the battery please do not store this product long time at the state of being without juice.
10. Be sure that the voltage output is DC 6V, DC port $\Phi 3.5 \times \Phi 1.35$, anode inside and cathode outside when using adapter to charge this product.