

LS-1/LS-2

Multi-Function Flashlight

Explosion-Proof Flashlight

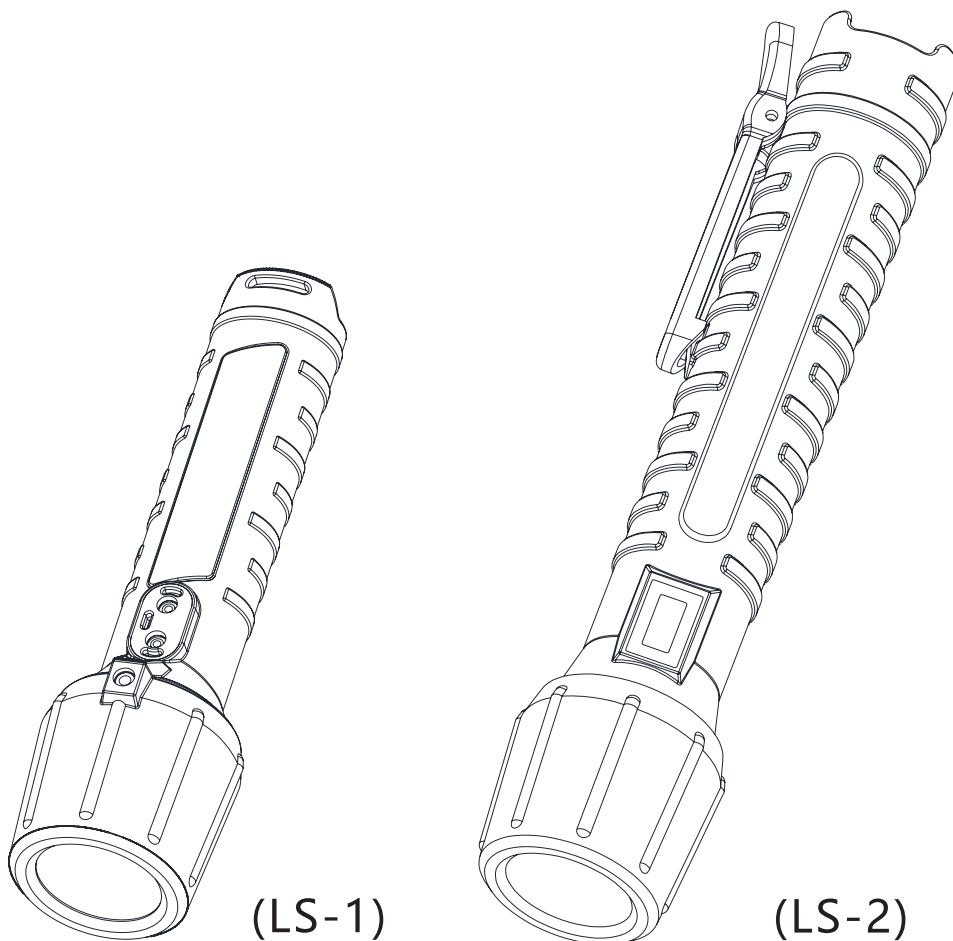


Product Technical Specification

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Catalogue

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Product features and characteristics LS-1/LS-2

LS-2 is an innovation flashlight which is using meticulously industrial design, electronic hardware and software design ,production process design. Increased the visual display which is different from traditional flashlight function, It is strong, super waterproof, Long battery life, Small size light weight, etc Applicable to very harsh conditions underground such as coal mining, underground metal mines and other places, It also can be used for heavy industry indoor and outdoor lighting, outdoor activities, camping expedition, and other fields, its detail salient features are as follows

1.100000hours life span and super stable brightness

LED's length of life depends on the quality of the LED and the drive powersupply . using the United States imports CREE LED and LED driver of innovation, service life is up to 100000 hours. Carefully designed reflective cup maximum efficiency in the use of the brightness of the luminous efficacy of 240 lux

2. LCD display battery

LS-2 USES the liquid crystal display technology, you can see the remaining capacity easily. Liquid crystal display can active emission .It has high contrast, wide viewing angles (can reach 170 °), rapid response ($\sim 1 \mu s$), high luminous efficiency, low operating voltage (3 ~ 10 v), Ultrathin (less than 2 mm thickness),etc.It also use the liquid crystal display, wider range and greater design flexibility

3.Safe,reliable and Free maintenance

LS-2 use two 18650 lithium batteries, The Protection circuit of main board can perform multiple protection, such as Excessive charging, excessive discharge ,excessive current, short circuit. Ensure the battery does not produce explosion and combustion because of Impact, short circuit and overcharge and temperature is too high, to ensure that the lamps and lanterns use safety.

4.Expllosion-proof and Strong impact resistance

LS-2 shell USES the high strength PA material. Excellent internal structure design ensures that the strength of the hull and reduce the internal stress, which makes the product has better resistance to impact and durable.

5.Super waterproof

LS-2 applies the professionally waterproof design which enables it is approved by IP68 tested underwater lighting.

6.Low battery indication

When the battery voltage is low, you can use the LDE liquid crystal display to view the current battery capacity, when the battery capacity is less than 25, please charge in time.

7.SOS function

LS-2 explosion can be used as distress signal When you use the Blasting flash mode, we can write a distress signal according to the requirements of customers.

8.Convenient charging way with USB

LS-2 breaks through the traditional way of charging, with USB charging mode, reduce the volume and height of waterproof effective. The use of USB mobile phone charger general can charge for lamp, Meantime it can also charge with the mathched conventional single charger or charger rack, which is a revolutionary breakthrough in the charging way for lamps.

9.SUPER-LIGHT in WEIGHT

LS-2 light weight is different from traditional metal alloy flashlight, PC material is strong, light quality, Only weighs 360g.

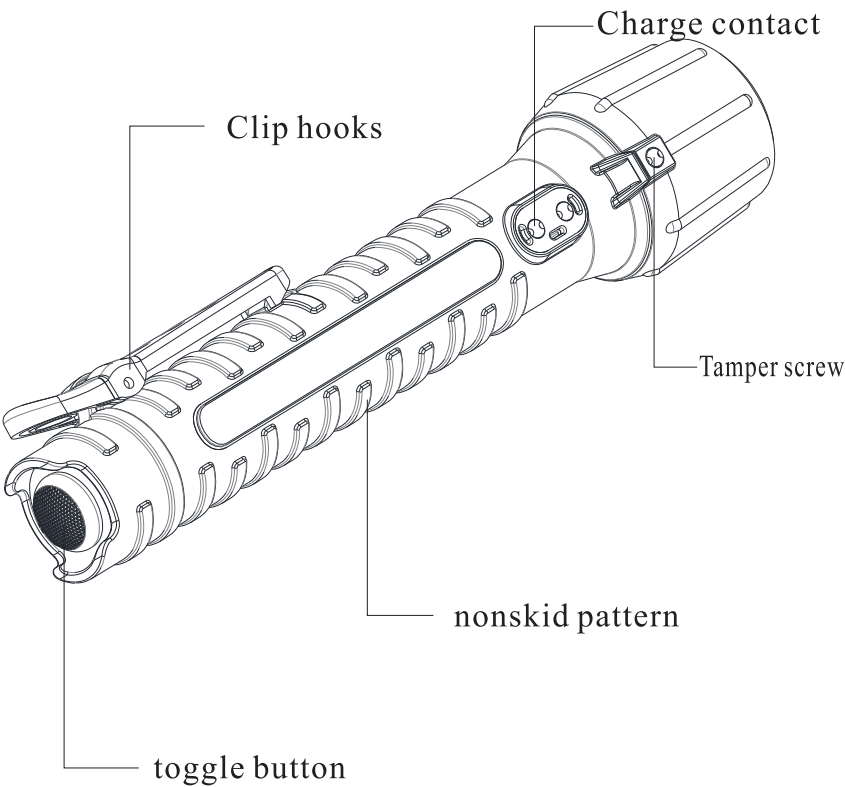
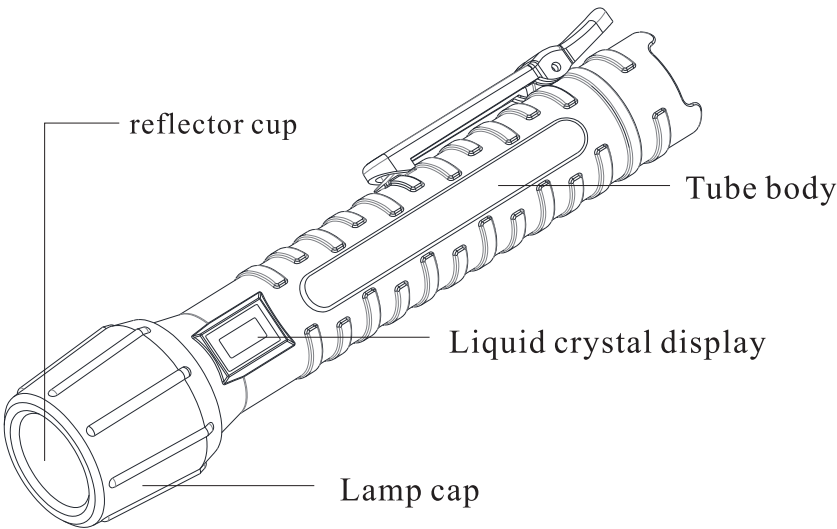
10.Harmless to the environment

LS-2 in the process of material selection and manufacturing is a strictly controlled process.

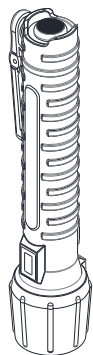
LS-1/LS-2 multi-purpose torch technical specifications

Features	Specification				
Model	LS-1		LS-2		
Rated capacity	2200mAh		4400mAh		
Rated voltage	3.7v				
Discharge duration	3h		6h		
light LED Working Voltage	3.2v				
light LED Working Current	750mA		750mA		
light source power	3w		3w		
light source intensity					
Lamp brightness (initial brightness) one meter distance	8000Lux		8000Lux		
working life of the main light source	100,000h				
Deputy light source power					
working life of the light source					
Short circuit protection time					
working life of the battery (rechargeable)	800frequency				
Charging time	4h		8h		
Size					
Weight	280g		360g		

Multi-purpose flashlight structure components

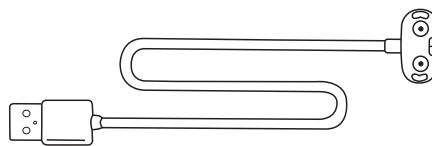


standard

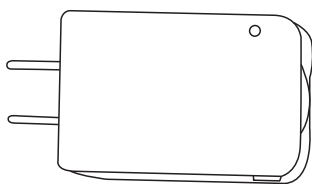


(LS-2)

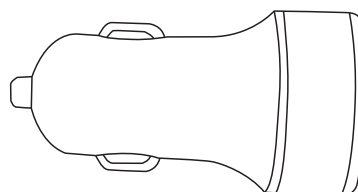
flashlight



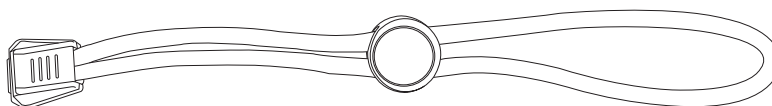
Magnetic USB
charging line(100cm)



power adapter

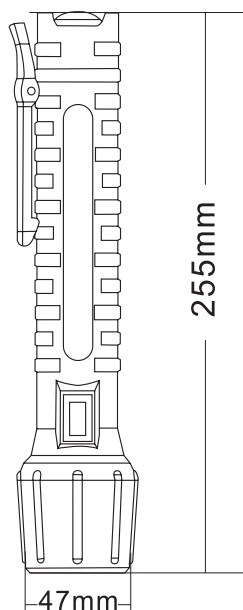


car charger adapter

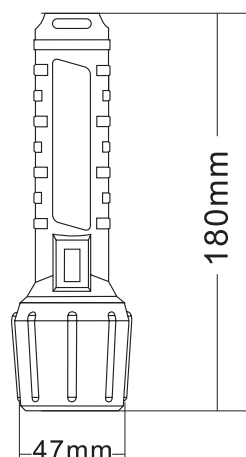


lanyard(20cm)

LS-2/LS-1 Multi - purpose flashlight size



LS-2

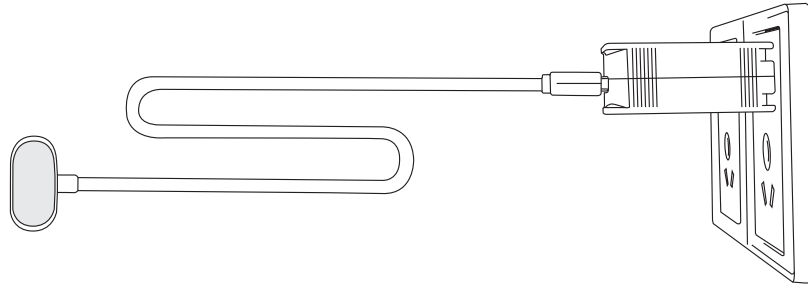


LS-1

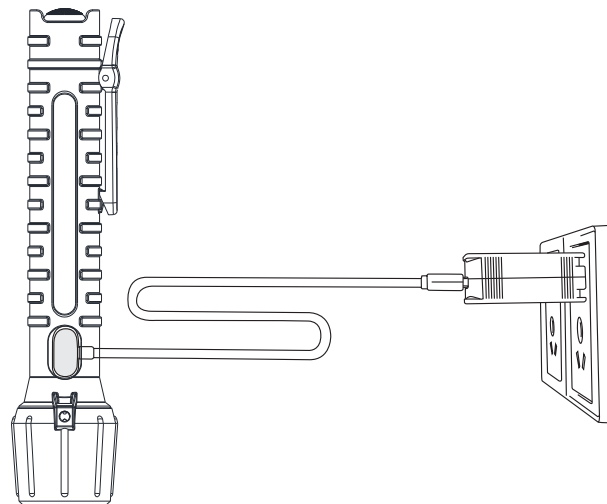
LS-2multi-purpose flashlight instructions

USB charging ways

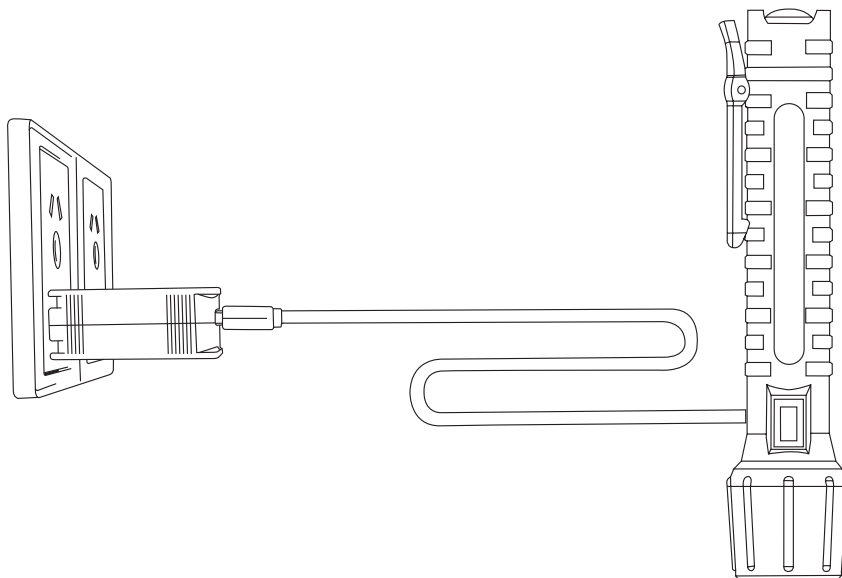
Use the “5V 2A” power adapter connected to magnetic USB charging line and Insert " 100-245 v AC socket, the light on the charger for the green (pictured)



Use the charge magnetic head terminals connected into the multi-purpose USB charging point to ensure the magnetic head contact and USB charging point close contact



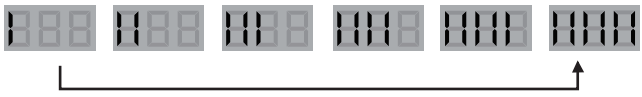
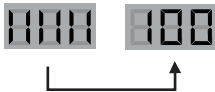
multi-purpose flashlight can display the battery charge state and the degree of saturation of the battery. LCD display 100 desirable magnetic USB charging line, after it yo can normal use multi-purpose flashlight.



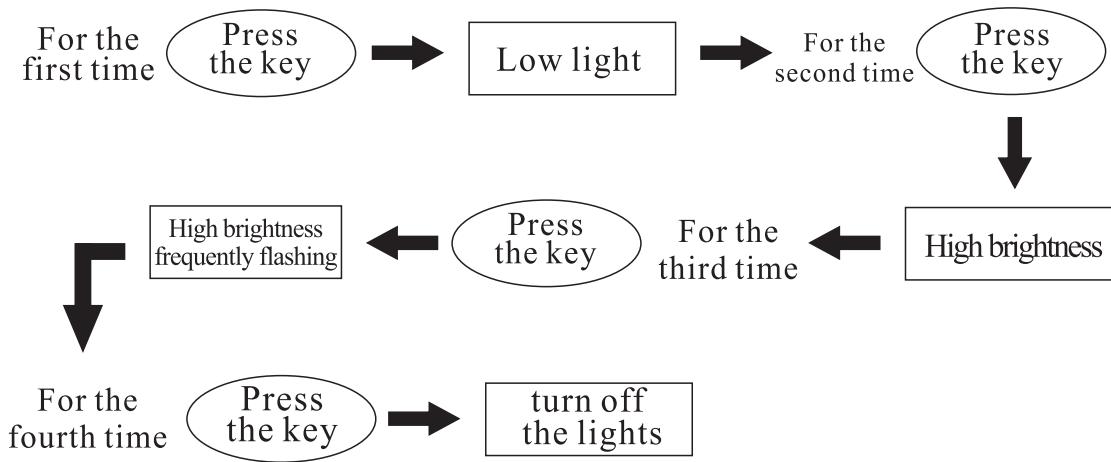
Charging status indicator

LS-2Charging instructions

multi-purpose flashlight Using liquid crystal display indicates power, Through concrete numerical inform users flashlight battery. It's full of state When the liquid crystal display is 100 power, when the display value of less than 100 ,it mean out of power can be recharged

charging phase	Indicator status
Battery charging 860	
Full battery	

Open, turn off the lights



light instructions

1.normal operating

Press the on-off key once the light shows low lamp; Press the on-off key twice the light shows high lamp; Press the on-off key third the light highlight blasting flash . Press the on-off key fourth the light shut down

2.SOS function

In closed state, press switch 3 consecutive times can open (i.e., 0.1 S bright once; 0.1 S out once, circularly, also can press the SOS is tress signal customization)

TROUBLE AND TROUBLESHOOTING

Trouble description	Trouble analysis	Troubleshooting
Light is not on when pressing the button	Battery power is used up or Automatic opening protection	Charge the lamp
Working time is less than 12 hours	Battery is not fully charged	Make sure the lamp well connected to the charger when charging.
Longer charging time	The charging points poor contact	Clean the charging points and the slot

NOTES

- multi-purpose flashlight before delivery has been filled half, Before use you should be use charger for multipurpose flashlight to Charge to he full
- Please use this product of form a complete set of the charger to charge, if you use other types of charger ,the multi-purpose flashlighw ill damage the multi-purpose flashlight
- If the lamps need storing for a long period, please repeat the following maintenance steps every two months: fully charged → completely discharged → charged for 2 hour.
- Please clean up the dust in the charging point slot timely for the normal charging with the USB wire.

SAFETY WARNING

- Please don't shoot at eyes directly while the lamp is working since the strong light will hurt eyes.
- Please don't disassemble the cap lamp, or it may cause potential troubles related to safety, reliability to work underground.
- It is forbidden to break multi-purpose flashlight
- Please don't charge the lamp underground.
- Please keep the lamp away from fire sources.
- Please don't maintain the lamp underground. All maintenance must be done on the ground!
- Please don't repair self-disassembly; otherwise the manufacturer will not be responsible for the warranty.
- Please recycle the discarded cap lamp together rather than throwing them away without disposing.

PACKAGE

- Multi-purpose flashlight and accessories adopt LS-1/ LS - 2 color box packaging
- Color box size: 241x107x96mm(LS-1)
300x102x83mm(LS-2)



LS-1/LS-2

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