

SZSW2300

Explosion-proof Solid Portable Lighting



■ Application



- Applicable to all kinds of rescue sites, emergency, patrol, emergency repair, overhaul and other mobile lighting use

■ Technical Datasheet

EX-mark: Exdib II CT6 Gb

Explosion-proof Certificate Number: 8140153

Source: LED

Rated Power: 9W

Rated Voltage: 11.1V

Rated Capacity: 4.4Ah/2.2Ah

Average Service Life: 100000h

Continuous Discharge Time: Strong Light \geq 8h/6h

Working Light \geq 16h/10h

LED Luminous Flux: Strong Light \geq 540lm

Working Light \geq 300lm

Charging Time: 4 ~ 6h

Battery Life: More than 1000 cycles

IP Rank: IP68

Size: Φ 70x160mm

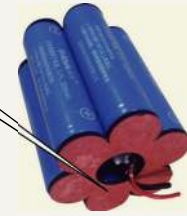
Weight: 0.87Kg/0.76Kg

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Built-in battery circuit protection board

**Double explosion-proof protection for batteries:**

(A) Circuit explosion-proof protection: the protection circuit controlled by the chip at both ends of the battery is equipped with over-charge protection and over-discharge protection, short circuit protection function. Overcharge protection refers to charging input voltage exceeding the chip setting. When the value is high, the circuit can cut off the voltage input to prevent overvoltage from charging and exploding the battery. Over-discharge protection refers to: When the battery discharges to the lowest voltage set by the chip, the circuit can cut off the output and prevent the battery from drying out affect battery life. Short-circuit protection means that when the positive and negative poles of a battery are short-circuited due to unexpected reasons, the chip of a battery can be used instantaneous detection, and automatically cut off the discharge, to prevent battery spontaneous combustion or explosion.

(B) Explosion-proof protection of the structure: When the internal pressure of the battery rises, the battery cover rises and bulges, and the core positive electrode conductive piece that is welded with the cover is pulled off, and the circuit circulation in the battery is cut off. At the same time, if the internal air pressure of the battery rises again, the cross-shaped pressure relief groove of the explosion-proof valve of the battery cell is opened, and the high-pressure gas is released to prevent the battery from exploding or igniting.

Optical Design

Correct the design with a precision reflector to get the best deep cup reflection. After vacuum ion evaporation, the magnesium difluoride is further coated, and the effective irradiation distance is more than 1000 meters.

**Legerity And Portable**

Structural design is exquisite, compact, small size, light weight, and can portable, shoulder strap, easy to carry.

Can Be Used Underwater

Precision waterproof structure design, so that product protection level up to IP68, can be used underwater protection level up to IP68, can be used underwater

**1、 Other Performance Characteristics:**

- ⊙ It adopts high luminous efficiency and imported Cree LED, and its life span is over 100,000 hours.
- ⊙ The high-energy non-memory lithium battery has a low self-discharge rate and is placed for more than one year, and still has more than 90% of the full charge.
- ⊙ With low voltage warning function, when the battery is low, the lamp will automatically prompt to charge.
- ⊙ It adopts intelligent chip control, and the output circuit is equipped with intelligent reverse polarity protection to ensure the quality of illumination.

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