

## **Battery buzzer**

### Normal Instructions

On startup: The buzzer beeps long once

On power-off: The buzzer beeps long twice

When the charger indicator is steady on for 5 seconds, it will beep twice, and then automatically shut down

### Switching gears

First gear: The buzzer beeps shortly once.

Second gear: The buzzer beeps shortly twice.

Third gear: The buzzer beeps shortly 3 times

### Warning alarm

When the NTC is faulty, the buzzer rings long once and short for 3 times, repeats for three times with an interval of two seconds.

When an overcurrent fault occurs, the buzzer rings long twice and short for 3 times, repeats for three times with an interval of two seconds.

When a charging fault occurs, the buzzer rings long for 3 times and short for 3 times, repeats for three times with an interval of two seconds

When the core is faulty, the buzzer rings long for 4 times and short for 3 times, repeats for three times with an interval of 2 seconds.

## **Gears** (3 gears in total)

The first gear: 100% output.

The second gear: 75% output.

The third gear: 50% output

## **Charging**

Batteries need to be used with a universal mobile phone charging adapter.

The charging cable must support A to C and C to C charging after the battery loses power, support 0V charging and activation.

## **PCBA Requirements:**

PCBA Static current must be less than 200uA

Use of RoHS compliant environmental components (except non-substitutable components with exempt materials)

## **Certification and Regulations**

Destination port: Canada. The products shall meet the requirements of destination regulations.

The product is designed according to FCC IEC/EN 62133-2 UN38.3 standard.

**Note:** The design temperature of the lens is 50°, and the matching battery or 7.4V battery should be used to power the lens. If the voltage exceeds the rated voltage, the lens will overheat, resulting in the risk of melting and burning of the heating film.

Specification requirements for DEX-298 mobile power supply

Battery Specification: 7.4V 3500mA

Output Load: 9-20 ohms

Output power: DC 7.4V 2Amax

Waterproof Level: IPX5

Fire rating: V0

Core Low Temperature Requirements: -20 C

**TYPE-C interface** for integrated design of charging and discharging includes temperature control (NTC is inside the top and side heat shrinkable film of the battery, away from PCBA)

When discharging, start temperature control when the battery temperature exceeds 45 degrees, and the buzzer will alarm when it stops working.

When charging, start temperature control when the battery temperature exceeds 45 degrees, and the buzzer will alarm when it stops working.

### **Current Voltage Detection Protection**

Begin control when the discharge current exceeds the rated value and stop working with buzzer alarm.

### **Key functions**

Press the power button for 3 seconds to turn on or off, while the buzzer alarms and detects the load condition;

No current output when no load, only show remaining power, turn off automatically after 10 seconds.

When loaded, turn on the first gear by default to show the battery power. After 3 seconds, the first gear indicator lights up and stops output when switching gear or when the battery runs out.

### **Battery Indicators:**

Steady red: The power level is lower than 30%.

Steady blue: The power level is lower than 75%.

Steady green: The power is 100%.

Red scroll light indicator: The first gear, 100% output.

Blue scroll light indicator: the second gear, 75% output.

Green scroll light indicator: The third gear, 50% output.

When the battery is unplugged from the charger, the light always lights up for 5 seconds, then beeps twice, and then switches off automatically.