

ORION Li-ion 3.7V 2000mAh Battery



Lithium Ion

The ORION Li-ion 3.7V 2000mAh battery is a popular lithium ion battery. It is intended for use in high capacity, high voltage battery. It can power a wide range of devices including an electric buffer, toys, smart doorbell etc.

Do not purchase batteries before reading and understanding these safety cautions. Using a lithium ion battery incorrectly may cause it to leak, generate heat, smoke, catch on a fire, or explode.



SAFETY

- +The cell must stay in the operating temperatures outlined in its datasheet.
- +The cell must not exceed voltage, current, and other ratings in its datasheet.
- + Store batteries separately, and do not transport without proper packaging.
- +Never store or transport together with conductive or metallic objects particularly in a pocket or bag
- +Do not keep in the sun, in a hot car, or anywhere with direct heat.
- +Recycle discontinued batteries according to local regulations and cover terminals with insulating tape before disposal.
- + Discharge end or cut-off voltage in data sheet is lower-limit for discharge cycle and should not be exceeded.
- +Charger or device should implement warning for over-voltage, over current, and over-temperature, control of overcharge.
- +Be careful not to short-circuit.

TECHNICAL DATA

| | |
|---|--------------------|
| Battery Dimensions | 20x20x75mm |
| Battery Weight | 50g |
| Cell Type | Lithium Ion |
| Cell Capacity (nominal/minimum) (0.5C Rate) | 2000mAh |
| Voltage (nominal) | 3.7V |
| Energy Density | 7400Wh |
| Recommended Standard Charge Method | 400mA, 4.2 V CC-CV |
| Maximum Charge Method | 1A, 4.2V CC-CV |
| Maximum Continuous Discharge | 4A |
| Discharge Cut-off Voltage | 2.75V |
| Cycle Life (80% DOD) | 500 cycles |
| Operating Temperature | -20°C to 60°C |
| Storage Temperature | 0°C to 45°C |