

ORION Li-ion 3.7V 6400mAh Battery

Lithium Ion



The ORION Li-ion 3.7V 6400mAh 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 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	40x20x70mm
Battery Weight	105g
Cell Type	Lithium Ion
Cell Capacity (nominal/minimum) (0.5C Rate)	6400mAh
Voltage (nominal)	3.7V
Energy Density	23.680Wh
Recommended Standard Charge Method	1.28A, 4.2V CC-CV
Maximum Charge Method	2A, 4.2V CC-CV
Maximum Continuous Discharge	2A
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