

# ORION 10440L 350mAh 1C (350mA)

## Lithium Ion Cell



The Orion 10440L is a popular lithium-ion cell. It is intended for use in high current 10440 battery packs. It can power a wide range of devices including a electric buffer, doorbell or lighting.

Do not purchase 10440L batteries before reading and understanding these safety cautions. Using a lithium-ion cell incorrectly may a cause it to leak, generate heat, smoke, catch on afire, or explode.



### SAFETY

- +The cell must stay in the operating temperatures outlined in its data sheet
- +The cell must not exceed voltage, current, and other ratings in its data sheet
- + 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
- +If the cell is attached to a PCB, keep it away from high-static environments
- +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, and charge timer
- +Be careful not to short-circuit

### TECHNICAL DATA

Cell Dimensions	14.2x51mm
Cell Weight	8 ± 1g
Cell Capacity (nominal/minimum) (0.5C Rate)	350mAh
Voltage (nominal)	3.6V
Internal Resistans (23 ± 2°C)	<60mΩ
Energy Density	1.44Wh
Recommended Standard Charge Method	175mA, 4.2V CC-CV
Maximum Charge Method	350mA, 4.2V CC-CV
Maximum Continuous Discharge	350mA
Discharge Cut-off Voltage	2.75V
Cycle Life	1000 cycles
Operating Temperature	-10°C to 60°C
Storage Temperature	-20°C to 25°C