

# ORION 26650/32 3200mAh 2C (6.4A) LiFePO4 Cell



The ORION 26650/32 is a popular LiFePO4 cell. It is intended for use in high capacity, high voltage 26650 battery packs. It can power a wide range of devices including an electric buffer, smart video doorbell, or fiber optic tester.

Do not purchase 26650 batteries before reading and understanding these safety cautions. Using a LiFePO4 cell 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 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	26.2x65mm
Cell Weight	84 ± 2g
Cell Capacity (nominal/minimum) (0.2C Rate)	3200mAh
Voltage (nominal)	3.2V
Internal Resistance (23 ± 2°C)	<20mΩ
Energy Density	10.24Wh
Recommended Standard Charge Method	640, 3.65V CC-CV
Maximum Charge Method	1600mA, 3.65V CC-CV
Maximum Continuous Discharge	6400mA
Discharge Cut-off Voltage	2.00V
Cycle Life (100% DOD)	1500 cycles
Operating Temperature	-20°C to 60°C
Storage Temperature	0°C to 45°C