

Material Safety Data Sheet

Lithium Ion Polymer Cell



Voltage, Capacity and Weight

Nominal Voltage (V)	3.7
Typical Capacity (mAh)	1250 (at C/5, 4.2V – 3.0V, 20°C)
Weight (g)	22.5

Chemistry

Component	Material	Percentage of total weight (%)
Anode	Graphite	23
Cathode	Lithium Cobalt Oxide	40
Electrolyte	LiPF ₆ in organic carbonates	18
Current Collectors	Copper	8
Current Collectors	Aluminium	6
Housing	Plastic coated Aluminium	5

No chemical hazard will be posed as long as the cell remains sealed.

Safety Precautions

- Do not overdischarge
- Do not overcharge
- Do not short circuit
- Do not solder onto the battery terminals directly
- Do not place battery in reverse polarity
- Do not disassemble, apply excessive pressure, or deform cell
- Battery disposal should be in accordance with local regulations
- Do not heat, or dispose of in fire

Clyde Space Ltd.
1 Technology Terrace,
Todd Campus
West of Scotland Science Park,
Glasgow G20 0XA, UK.
t: + 44 (0) 141 946 4440
f: + 44 (0) 141 945 1591
e: enquiries@clyde-space.com
w: www.clyde-space.com