

MP 174565 xtd

Rechargeable Li-ion cell

3.65 V high energy Li-ion cell with extra life and operational temperature

The MP 174565 xtd cell is designed for applications requiring high energy and long operating life. It is a compact, high performance cell, which offers high energy cell capacity, long life and long shelf life. More information visit www.saft.com.

Benefits

- High energy density and high power
- Long life and long shelf life
- High performance in low temperature
- High energy density and high power

Advantages

- High energy density (240Wh/kg)

The product meets all the quality, safety and environmental standards

- High energy density (240Wh/kg)

Typical applications

- High energy density (240Wh/kg)



Typical performance

| | | |
|---|-----------------------|--|
| Rated capacity (20°C, 0.2C, 2.5V cut-off) | 240mAh | |
| Max. charging rate | 0.5C | |
| Max. discharging rate | 2.5C | |
| Working temperature range (discharging current) | Operating temperature | 0°C to 55°C (opt.) -20°C to 60°C (max.) |

Other characteristics (typical values)

| | |
|---------------------------------|--------------------|
| Self-discharge rate | 1% / month |
| Weight | 2.4g (typ.) |
| Internal resistance (typical) | 20mΩ |
| Energy density | 240Wh/kg |
| Volume energy density (typical) | 400Wh/l |
| Life cycle (discharging) | 1000 cycles @ 0.2C |
| Self-heating coefficient | 0.1°C/W (typ.) |
| Self-discharge rate | 0.1% / month |
| Self-heating coefficient | 0.1°C/W (typ.) |

Operating conditions

| | | |
|---|---------------------------------------|--|
| Rated cell voltage | 3.65V | |
| Operating voltage | Controlled (min. max.) 2.80V to 4.20V | |
| Charging voltage | 4.20V | |
| Operating current (max. continuous current) | 2.5C (typ.) | |
| Operating temperatures | Operating temperature | 0°C to 55°C (opt.) -20°C to 60°C (max.) |
| Storage & transport (min. temperature) | Working temperature | 0°C to 55°C (opt.) -20°C to 60°C (max.) |
| | Charging temperature | 0°C to 55°C (opt.) -20°C to 60°C (max.) |

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