

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 end of life performance.

Benefits

- High energy density and high power
- Long life and low self-discharge
- High performance in low temperature from -20°C to 55°C
- Low temperature self-discharge rate
- High resistance to vibration, shock and harmful pollutants
- Long life and long end of life performance

Advantages

- High energy density (240Wh/kg)
- High power
- Excellent cycling
- Low temperature
- Excellent performance
- Low self-discharge
- High energy efficiency
- Manufactured in the EU

Its great performance, quality, safety and environmental standards

- Energy Efficiency (IEC61960)
- High power (IEC61960)
- Quality ISO 9001, ISO 14001
- GreenRoHS compliance
- Compliant with UN38.3, IEC60086-2, IEC60343

Typical applications

- Power systems for rugged and commercial applications
- Industrial systems
- Logging
- Mining equipment
- Remote monitoring
- Wireless sensor networks
- Marine applications



Typical performance		
Rated capacity (20°C, 0.2C, 100% DOD)		2400mAh
Max. discharge rate		30C
Max. charge rate		1.5C
Working temperature range (discharge/charge)	Discharge	0°C to 55°C (opt. -20°C to 55°C)
	Charge	0°C to 45°C (opt.)
Max. charge and discharge limits		
End of charge		4.2V (nom.)
End of discharge		2.7V (nom.)
End of life (cycle life margin)		2.7V (nom.)
End of life (C-rate)		2.7V
Volume (incl. end terminals)		900mm ³
IEC61960 designation		IMR174565
IEC61960 cell designation		IMR174565/2400
Dimensions (mm)		30x18x50
Dimensions (inch)		1.18x0.71x1.97
Operating conditions		
End of life (off voltage)		1.5V
Operating voltage	Constant current/constant voltage	3.65V
Operating voltage		2.7V
Operating current (max. continuous)		2.7A (100% DOD)
Operating temperatures	Charge	0°C to 45°C
	Discharge	-20°C to 55°C
Storage & transport (min. temperature)	Working temperature	-20°C to 55°C
	Off-charge	-20°C to 55°C

IEC61960 designation: IMR174565/2400
 IEC61960 cell designation: IMR174565/2400
 End of life (off voltage): 1.5V
 End of life (C-rate): 2.7V



