

PRODUCT DATA SHEET
MODEL : ICR-18650H pg 1/2



E-ONE MOLI ENERGY



Custom design the MOLICEL® lithium-ion rechargeable battery into your mobile device.

The ICR-18650H cylindrical cell consists of a lithium cobalt positive electrode material and a graphitic carbon negative electrode providing 3.75 volts and 2200 mAh. This cell design requires pack control circuitry.

LITHIUM-ION RECHARGEABLE BATTERY

CELL SPECIFICATIONS	
Capacity (Nominal)	2200 mAh
Nominal Voltage	3.75 V
Energy	8.25 Wh
Size	φ18.2 x 65 mm
Weight	46.1 grams
Energy Density Volumetric Gravimetric	475 Wh/l 177 Wh/kg
OPERATING SPECIFICATIONS	
Operating Voltage	4.2 V to 3.0 V
Charge Voltage	4.2 V ± 50 mV
Cutoff Voltage	2.5 V
Temperature Range Discharge Charge	-20°C to 60°C 0°C to 45°C
Maximum Discharge Current (Continuous)	4.0 A
Maximum Charge Current	2.0 A
STORAGE SPECIFICATIONS	
Temperature Range Recommended < 25°C for extended storage periods.	-20°C to 60°C
Recommended Voltage Range	4.2 V to 2.5 V
Please refer to Page 2 of this document for cell discharge characteristics.	
Issue Date: August 2002 Information subject to change without notice.	

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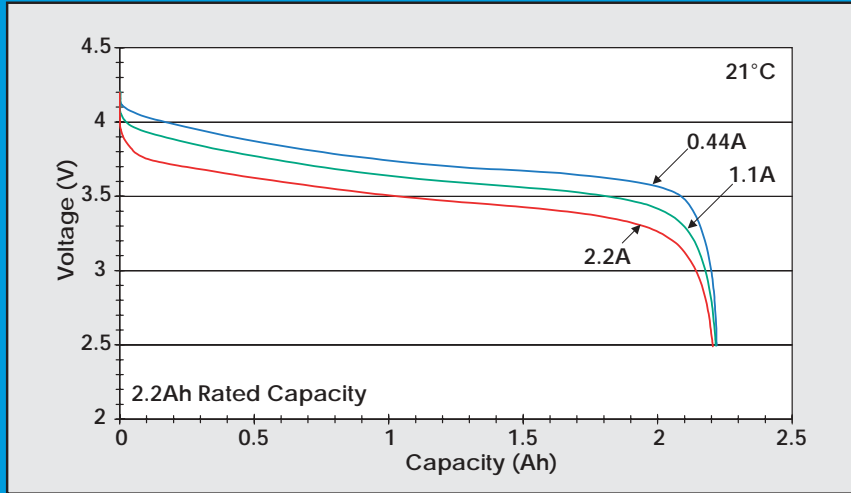
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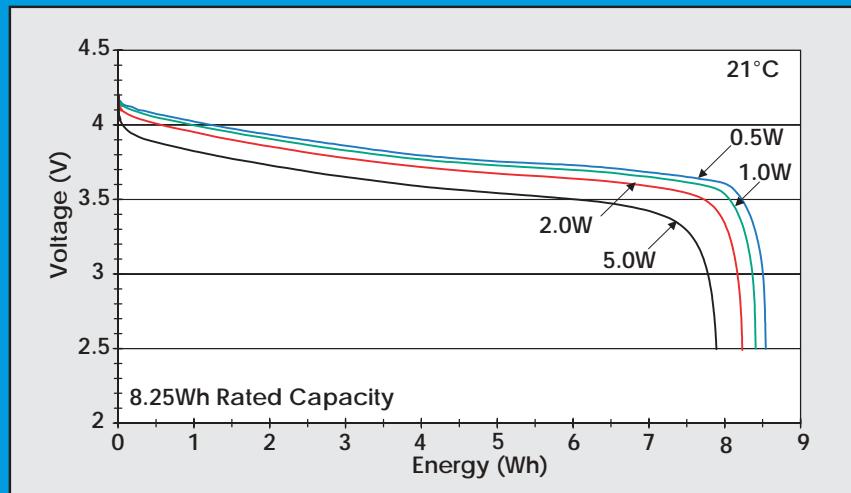


LITHIUM-ION RECHARGEABLE BATTERY

Constant Current Characteristics



Constant Power Characteristics



Temperature Characteristics

