

PRODUCT DATA SHEET

MODEL : ICR-18650H pg 1/2

MOLICEL®**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.

E-ONE MOLI ENERGY (CANADA) LTD.
20,000 Stewart Crescent
Maple Ridge, B.C. Canada V2X 9E7
Tel: 604-466-6654 or 800-664-MOLI
Fax: 604-466-6600
Email: sales@molienergy.com
Site: www.molienergy.com

E-ONE MOLI ENERGY CORP.
3F, No.147 Kang-Ning St, Hsi-Chih City
Taipei County, Taiwan, R.O.C.
Tel: 886-2-26926755
Fax: 886-2-26926757
Email: eonemoli@e-one.com.tw
Site: www.e-one.com.tw



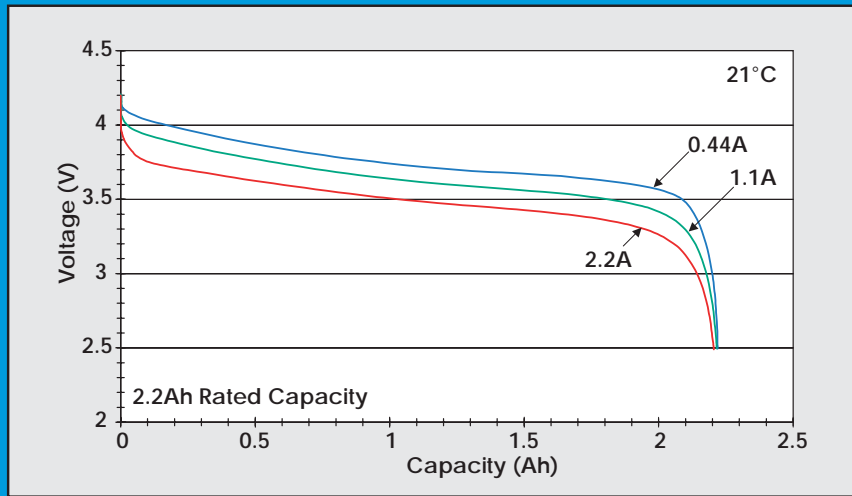
PRODUCT DATA SHEET

MODEL : ICR-18650H pg 2/2

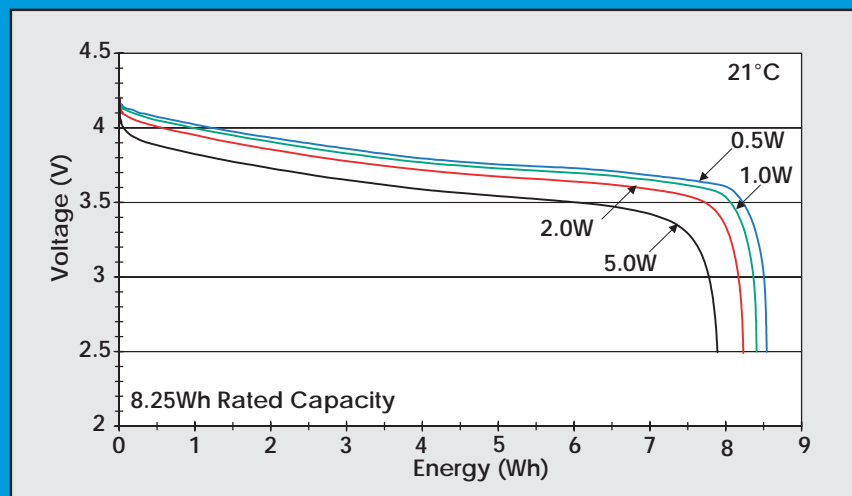
LITHIUM-ION RECHARGEABLE BATTERY

E-ONE MOLI ENERGY

Constant Current Characteristics



Constant Power Characteristics



Temperature Characteristics

