

## PRODUCT DATA SHEET MODEL ICR18650H

## ■CELL SPECIFICATIONS

Shape / Can material		Cylindrical / Steel	
Typical Capacity		2200mAh	Max. 18.4mm
Minimum Capacity		2100mAh	
Nominal Voltage		3.7V	
Charge Voltage		4.2V ± 0.05V	
Charge Current		Less than 2.2A	
Charge Time		3.0 hrs	+
Discharging current (Max.)		5.0 A (≤ 45 °C)	
		4.0 A (≤ 60 °C)	Max.
Discharge Cutoff Voltage		3.0V	65.15mm
Temperature	Charge	0°C to 45°C	-2425 04 IN TATUAN
	Discharge	-20°C to 60°C	
	Storage	-20°C to 60°C	
Weight (Max.)		47.1g	
Dimensions	Diameter	18.40mm	
	(Max)		
	Height (Max.)	65.15mm	
Energy	Volumetric	496 Wh/l	
Density	Gravimetric	182 Wh/kg	

**Note**: The **ICR18650H** cylindrical cell consists of a lithium cobalt oxide positive electrode and a graphitic carbon negative electrode providing 3.7volts and 2200mAh. This cell design requires pack control circuitry. Various protection circuit modules are available for applications of multiple series and parallel configurations. In order to ensure safe use of cell, be sure to consult with **E-One Moli Energy** regarding charging and discharging specifications and contact E-One Moli Energy in advance when designing a device with this cell.



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## Molicel ICR18650H Applications:

- \* Notebook
- \* HID handy flash
- \* Medical devices

- \* Portable VCD/DVD player
- \* Camcorder

E-ONE MOLI ENERGY CORP was established in 1998 by Koo's Group. Under the brand name Molicel, E-One Moli Energy is well-recognized as a leading Li-ion battery manufacturer. To serve world-wide customers, production sites are located in Vancouver, Canada and Southern Taiwan Science Park, Tainan, Taiwan. Each site is equipped with local Research & Development and Application Service Groups. Safety and reliability are the main strengths of E-One Moli Energy products. We strive to provide superior energy solutions with high performance and quality products that serve our customers' needs.

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