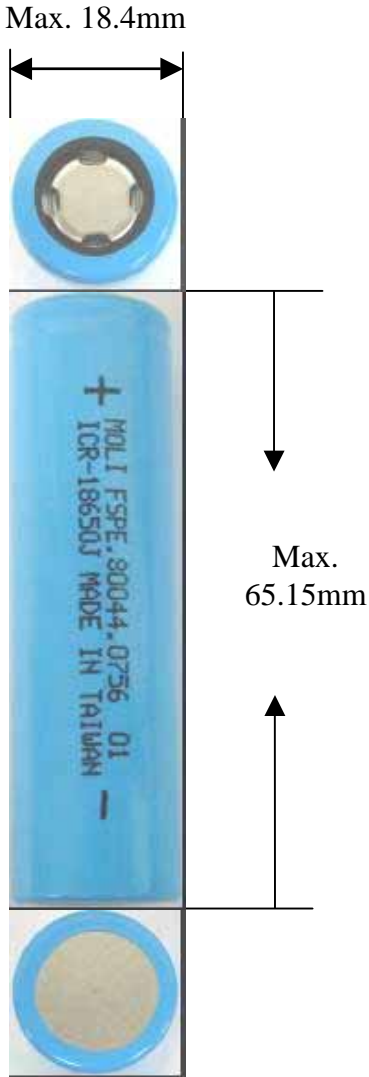


LITHIUM-ION RECHARGEABLE BATTERY

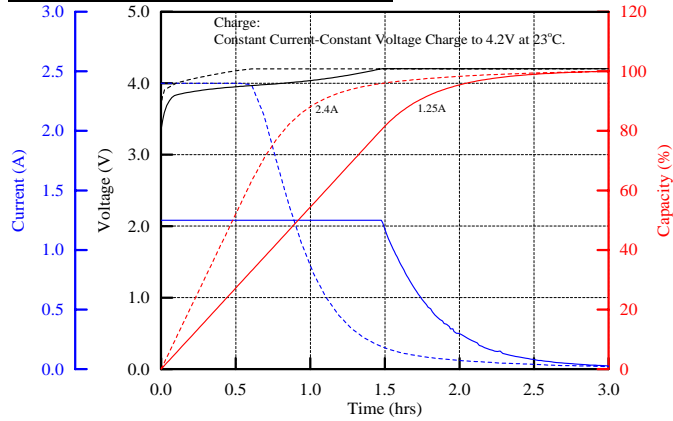
■CELL SPECIFICATIONS

Shape / Can material	Cylindrical / Steel		
Typical Capacity	2350mAh		
Minimum Capacity	2250mAh		
Nominal Capacity	2350mAh		
Nominal Voltage	3.76V		
Charge Voltage	4.2V ± 0.05V		
Charge Current (Recommendation)	Less than 1250mA		
Charge Time	3.0 hrs		
Discharging current (Max.)	5.0 A (≤ 45 °C)		
	4.0 A (≤ 60 °C)		
Discharge Cutoff Voltage	2.5V		
Temperature	Charge	0°C to 45°C	
	Discharge	-20°C to 60°C	
	Storage	≤ 35°C	
Weight (Max.)	48.0g		
Dimensions	Diameter (Max)	18.40mm	
	Height (Max.)	65.15mm	
Energy Density	Volumetric	517 Wh/l	
	Gravimetric	187 Wh/kg	

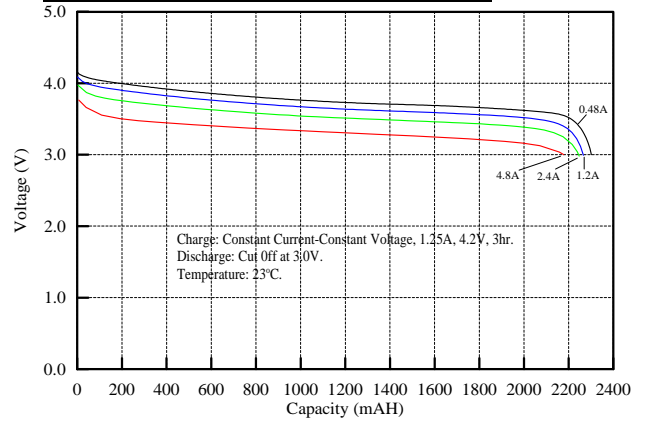
**Note:** The ICR18650J cylindrical cell consists of a lithium cobalt oxide positive electrode and a graphitic carbon negative electrode providing 3.76volts and 2350mAh. This cell design requires pack control circuitry. Various protection circuit modules are available for applications of multiple series and parallel configurations. For multi-cell application, the over-current protective devices (PTC or thermal fuse) is **NEEDED** on each cell or between cells connected in parallel. 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.

LITHIUM-ION RECHARGEABLE BATTERY

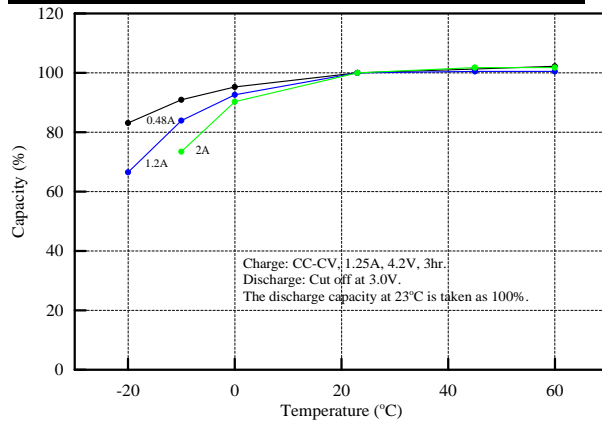
■ Charge Characteristics



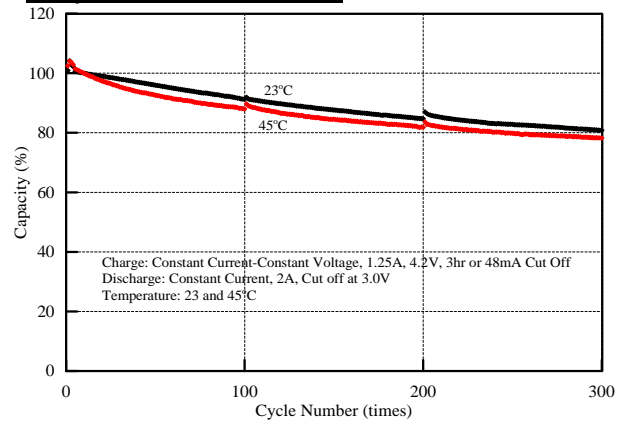
■ Discharge Rate Characteristics



■ Discharge Temperature Characteristics



■ Cycle Characteristics



Molicel ICR18650J Applications:

- \* Notebook
- \* HID handy flash
- \* Medical devices
- \* Portable VCD/DVD player
- \* Camcorder

*E-One Moli Energy, a pioneer in lithium ion battery development and manufacturing in Taiwan/Canada, is capable of providing lithium ion cells with absolute safety, maturely size, high power, and long life.*

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