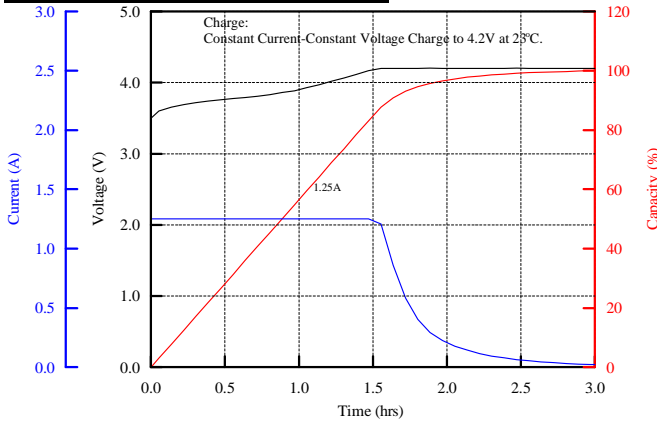


■CELL SPECIFICATIONS

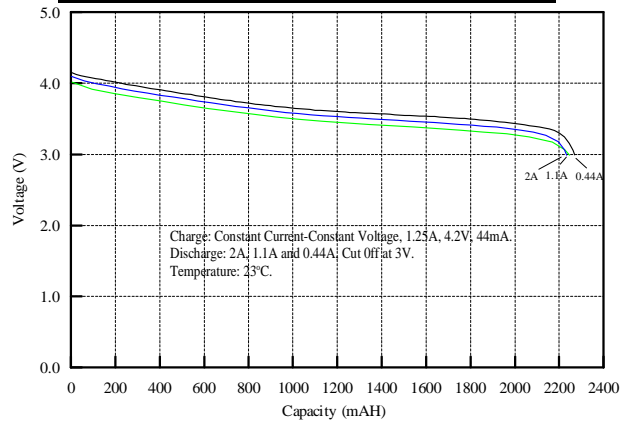
Shape / Can material	Cylindrical / Steel		
Typical Capacity	2250mAh		
Minimum Capacity	2150mAh		
Nominal Voltage	3.6V		
Charge Voltage	4.2V ± 0.05V		
Charge Current	Less than 2.2A		
Charge Time	3.0 hrs		
Discharging current (Max.)	4.4 A		
Discharge Cutoff Voltage	3.0V		
Temperature	Charge	0°C to 45°C	
	Discharge	-20°C to 60°C	
	Storage	< 35°C	
Weight (Max.)	47.5g		
Dimensions	Diameter (D)	18.4mm (Max)	
	Height (H)	65.2mm (Max)	
Energy	Volumetric	490 Wh/l	
Density	Gravimetric	170 Wh/kg	

**Note:** The **IHR18650B** cylindrical cell consists of a lithium Nickel-Manganese-Cobalt oxide positive electrode and a graphitic carbon negative electrode providing 3.6volts 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.

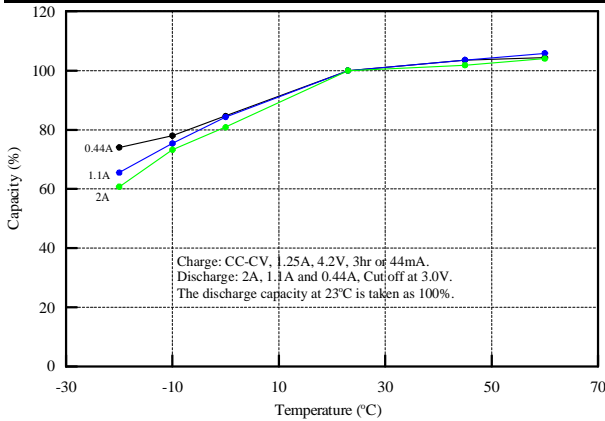
**Charge Characteristics**



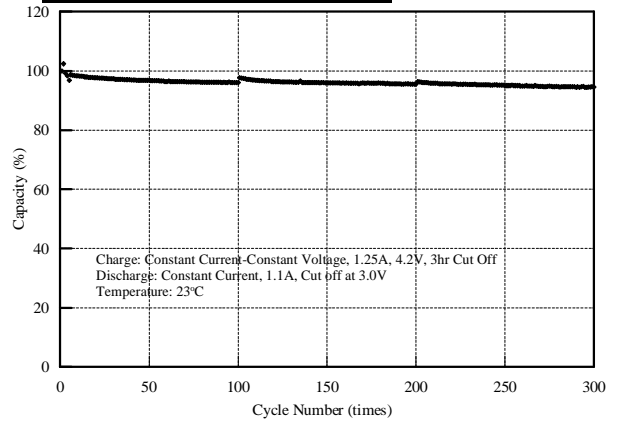
**Discharge Rate Characteristics**



**Discharge Temperature Characteristics**



**Cycle Characteristics**



- \* Excellent storage performance.
- \* Good thermal stability.

**Molicel IHR18650B Applications:**

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

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.

**Taiwan Plant**  
 10 Dali 2nd Rd., Shan-Hwa,  
 Tainan County, Taiwan, R.O.C.  
 Tel: 886-6-505-0666  
 Fax: 886-6-505-0777  
<http://www.molicel.com>

**Canada Plant**  
 20,000 Stewart Crescent  
 Maple Ridge, B.C., Canada, V2X 9E7  
 Tel: 1-604-466-6654  
 Fax: 1-604-466-6600  
<http://www.molicel.com>

**Headquarter**  
 10F, 113, Sec.2, Zhung Shan N Rd.,  
 Taipei, Taiwan, R.O.C.  
 Tel: 886-2-2567-3500  
 Fax: 886-2-2567-6500

Agency: