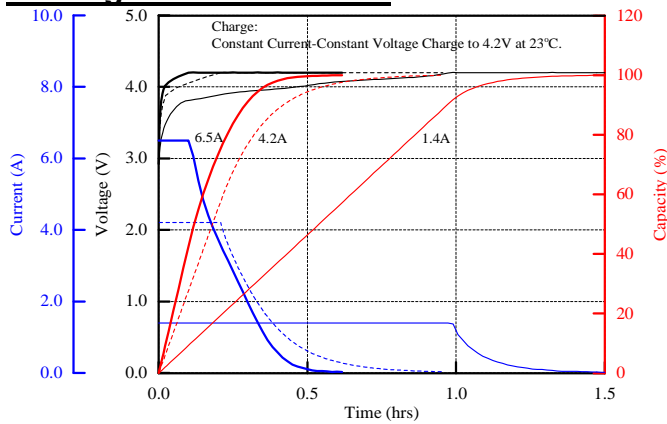


■ CELL SPECIFICATIONS

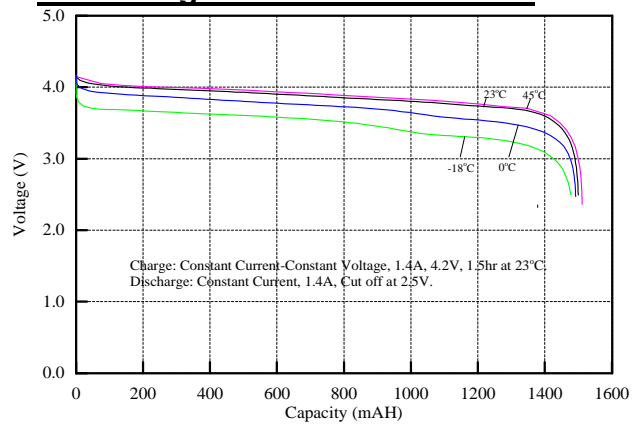
Shape / Can material		Cylindrical / Steel	
Typical Capacity		1400mAh	
Minimum Capacity		1350mAh	
Nominal Voltage		3.8V	
Charge Voltage		4.2V ± 0.05V	
Charge Current		Less than 6.5A	
Charge Time		1.5 hrs	
Discharging current (Max.)		20 A	
Discharge Cutoff Voltage		2.5V	
Temperature	Charge	0°C to 45°C	
	Discharge	-20°C to 60°C	
	Storage	< 35°C	
Weight (Max.)		44g	
Dimensions	Diameter (D)	18.4mm (Max)	
	Height (H)	65.2mm (Max)	
Energy	Volumetric	332 Wh/l	
Density	Gravimetric	132 Wh/kg	

**Note:** The **IMR18650E** cylindrical cell consists of a lithium Manganese oxide positive electrode and a graphitic carbon negative electrode providing 3.8volts and 1400mAh. 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.

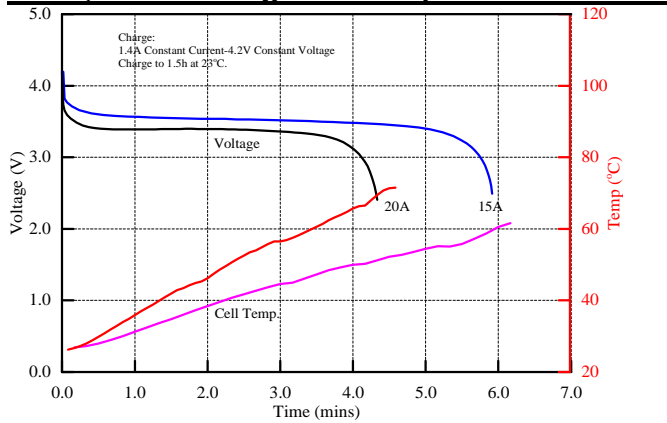
**Charge Characteristics**



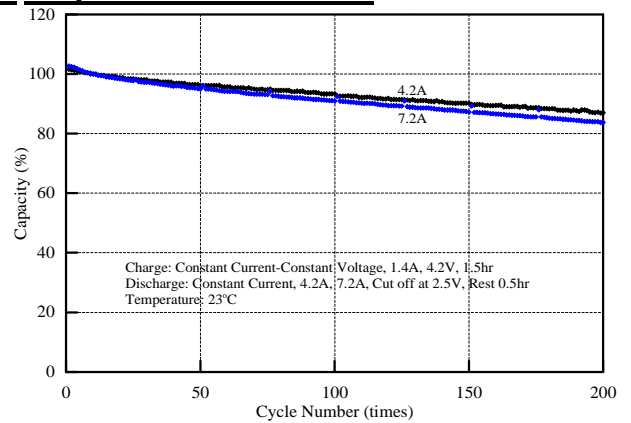
**Discharge Rate Characteristics**



**15A, 20A Discharge and Temperature Characteristics**



**Cycle Characteristics**



**Molicel IMR18650E Applications:**

- \* Cordless screw driver
- \* Cordless drill/driver
- \* Cordless impact driver
- \* Cordless tubing cutter
- \* Cordless angle grinder
- \* Cordless polisher/waxer
- \* Power tool
- \* Electrical vehicle

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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