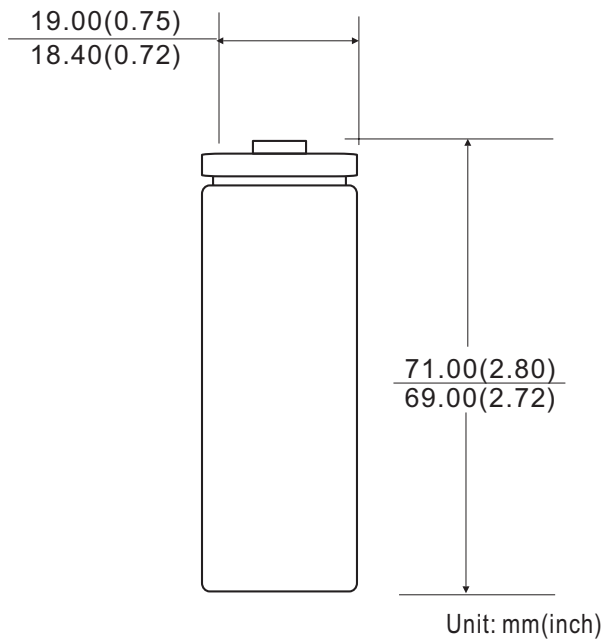


## ICR18650-2600

## LI-ION BATTERY



### Dimensions:



### Specifications

|  |  |
|--|--|
| <b>Chemical System:</b>  | LiCoO <sub>2</sub> /C  |
| <b>IEC Name:</b>   | ICR18650   |
| <b>Camelion Model:</b>   | ICR18650-2600  |
| <b>Average Weight:</b>   | 52g  |
| <b>Dimension(∅ x H):</b>                                       | 18.7 <sup>±0.3</sup> x70.0 <sup>±1</sup> mm<br>0.74 <sup>±0.01</sup> x2.76 <sup>±0.04</sup> inch |
| <b>Terminals:</b>  | Flat   |
| <b>Nominal Voltage:</b>  | 3.7Volts   |
| <b>Capacity:(520mA constantly discharge to 3.0V at 20±2°C)</b> |  |
| <b>Typical :</b>   | 2600mAh  |
| <b>Minimum:</b>  | 2450mAh  |
| <b>Nominal Internal Resistance:</b>                            | 250m-ohm @ 1kHz  |
| <b>Max. Charge Current:</b>                                    | 1300mA   |
| <b>Max. Discharge Current:</b>                                 | 2600mA   |
| <b>Operating Temperature:</b>                                  | -20°C-60°C (Discharge)   |
| <b>Storage Temperature:</b>                                    | -20°C-30°C   |
| <b>Relative Humidity:</b>                                      | 60±15%   |

### Main Features



- ① Innovative anode design offers higher applicability
- ② Built-in intelligence control PCB \*

\* PCB SPEC

|  |                      |
|--|----------------------|
| Over Charge Protection Voltage         | 4.28±0.025V          |
| Over Discharge Protection Voltage      | 2.8±0.05V            |
| Over Current Protection Current        | 5-9A                 |
| Short Protection Delay Time            | 220-360us            |
| Cuttert Consumption In Normal Opration | 3.0µA Type 6.0µA Max |

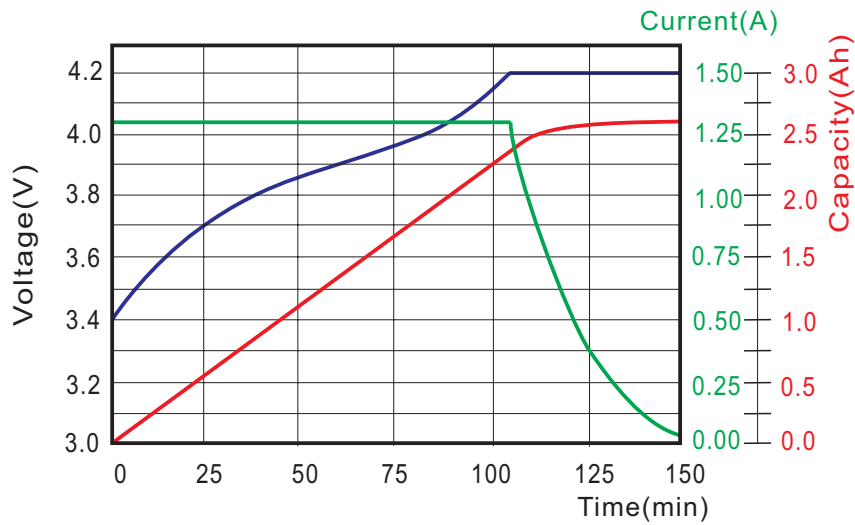
#### Notice:

Environmental elements comply with RoHS requirements. This information is subject to change without prior notice and for reference only. It should not be used as a basis for a product guarantee or warranty. For additional information, please consult your nearest Camelion Sales Office or Distributor or visit our website at: [www.camelionbattery.com](http://www.camelionbattery.com).

## ICR18650-2600

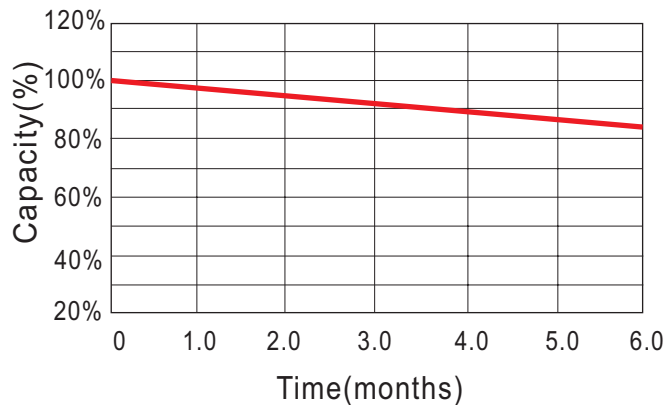
## LI-ION BATTERY

### Charge Characteristic



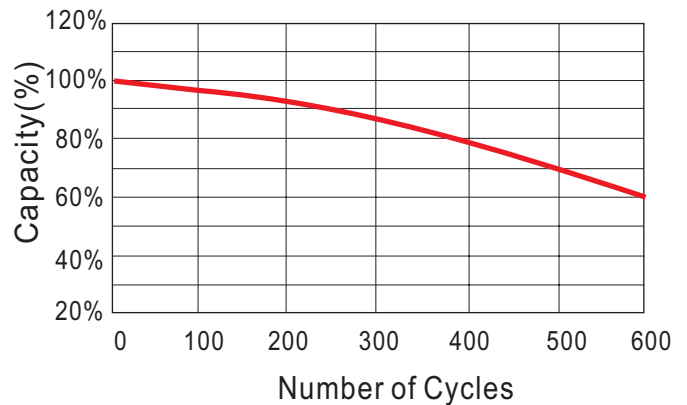
### Storage Characteristic

Measurement temperature: 25°C  
 Charge: 0.5C 4.2V CC/CV, 0.01C cut-off  
 Discharge: 0.2C discharge to 3.0V



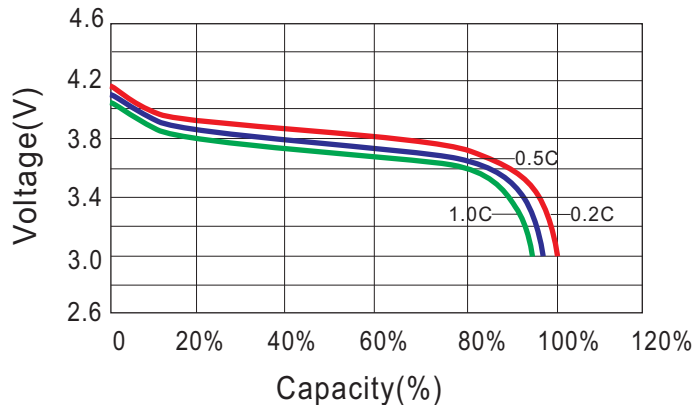
### Cycle Life Characteristics

Measurement temperature: 25°C  
 Procedure: charge 0.5C 4.2V CC/CV, 0.01C cut-off;  
 Rest for 30mins; 0.5C discharge to 3.0V



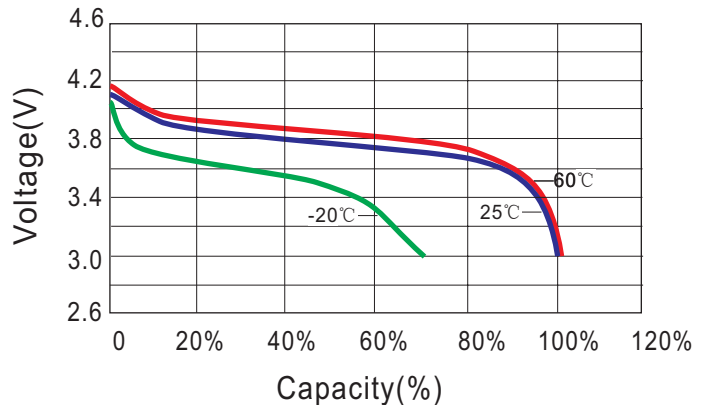
### Discharge Characteristics

Measurement temperature: 25°C  
 Charge: 0.5C 4.2V CC/CV, 0.01C cut-off



### Temperature Characteristics

Procedure: charge 0.5C 4.2V CC/CV, 0.01C cut-off  
 Rest for 30mins discharge CC 0.2C, 3.0V cut-off



**Notice:**

Environmental elements comply with RoHS requirements. This information is subject to change without prior notice and for reference only. It should not be used as a basis for a product guarantee or warranty. For additional information, please consult your nearest Camelion Sales Office or Distributor or visit our website at: [www.camelionbattery.com](http://www.camelionbattery.com).