

Lithium Ion (Li-Ion) Battery

MB18650 (3.7V, 2600mAh)



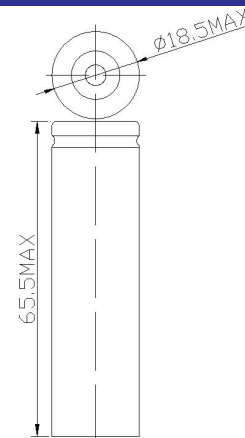
Features of Li-Ion Battery

- **Longer Cycle Life:** Offers up to 20 times longer cycle life and five times longer float/calendar life than lead acid battery, helping to minimize replacement cost and reduce total cost of ownership.
- **Lighter Weight:** About 40% of the weight of a comparable lead acid battery. A 'drop in' replacement for lead acid batteries.
- **Higher Power:** Delivers twice power of lead acid battery, even high discharge rate, while maintaining high energy capacity.
- **Wider Temperature Range:** -20 C~60 C.
- **Superior Safety:** Lithium Ion chemistry eliminates the risk of explosion or combustion due to high impact, overcharging or short circuit situation.
- **Increased Flexibility:** Modular design enables deployment with several batteries both in series and in parallel.

SGS

- MSDS
- UN38.3
- KC
- CE/CB
- FCC

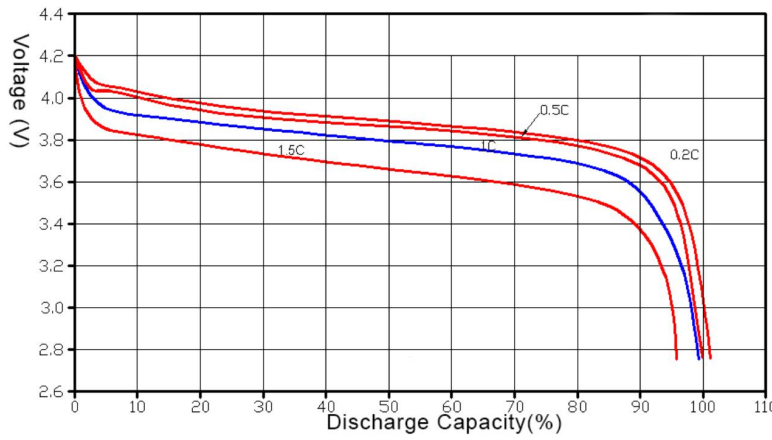
Physical Dimension



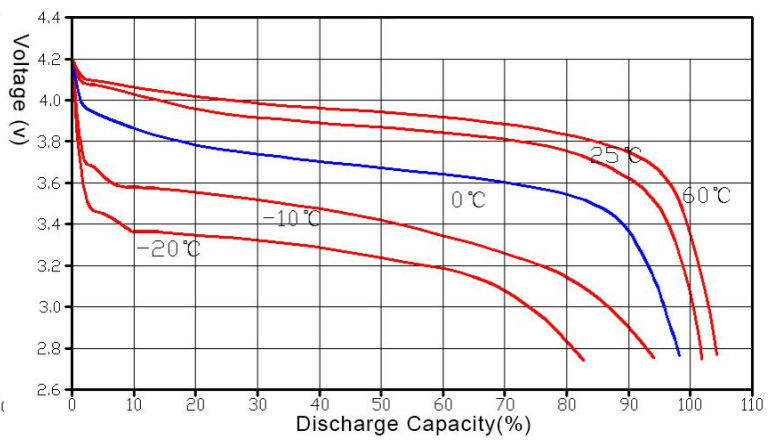
Specification

Electrical Characteristics	Nominal Voltage	3.7V
	Nominal Capacity	2600mAh
	Energy	9.62Wh
	Internal Resistance	≤60mΩ
	Cycle Life	>500 cycles @0.2C 80%DOD
	Months Self Discharge	<3%
	Efficiency of Charge	100% @0.5C
	Efficiency of Discharge	96~99% @1C
Standard Charge	Charge Voltage	4.2V
	Charge Mode	0.2C to 4.2V, then 4.2V, charge current to 0.02C ₅ A (CC/CV)
	Charger Current	520mA
	Max. Charge Current	1.0C ₅ A
	Charge Cut-off Voltage	4.2±0.03V
Standard Discharge	Continuous Current	520mA
	Max. Discharge Current	1.5C ₅ A
	Discharge Cut-off Voltage	3.0V
Environmental	Charge Temperature	0°C to 45°C (32F to 113F) @60±25% Relative Humidity
	Discharge Temperature	-20°C to 60°C (-4F to 140F) @60±25% Relative Humidity
	Storage Temperature	0°C to 40°C (32F to 104F) @60±25% Relative Humidity
	Water Dust Resistance	/
Mechanical	Dimensions (mm.)	18.5*65.5mm MAX
	Weight (g.)	Approx:45g

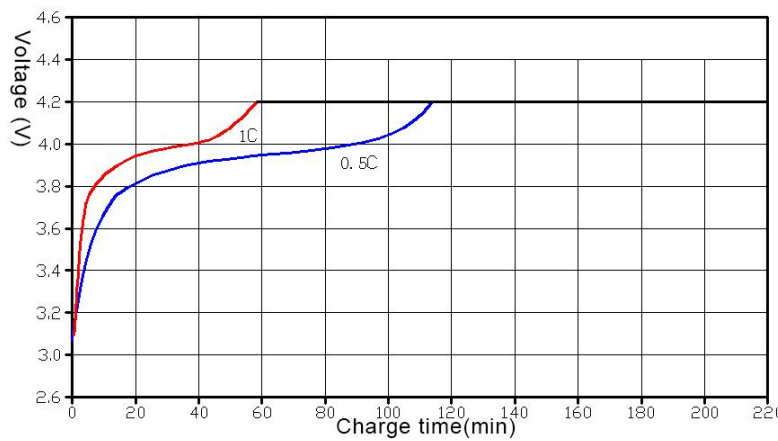
Different Rate Discharge Curve



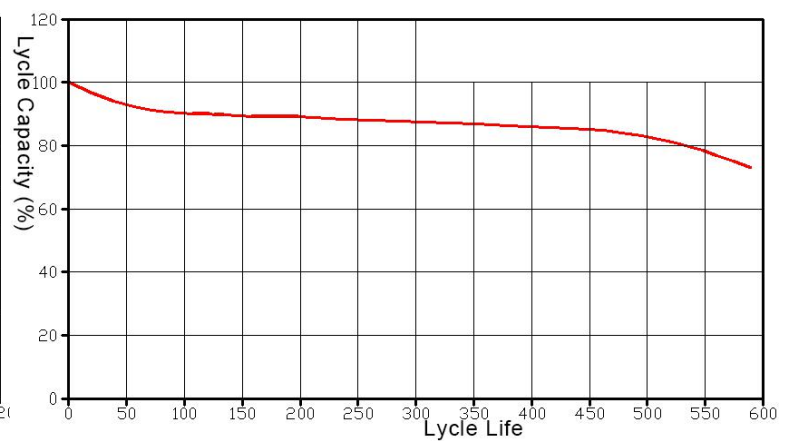
Different Temperature Discharge Curve



Different Rate Charge Curve



Cycle Life Curve



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