

MODEL: LR18650

CHEMISTRY: LITHIUM-ION

SYSTEMS: LITHIUM-ION RECHARGEABLE

GENERAL SPECIFICATIONS

Rated Working Voltage: 3.7V	Charging Voltage: 4.20V ± 0.05V
Nominal Capacity: 2200mAh @0.2CmA discharge	Maximum Charge Current: 1CmA
Minimum Capacity: 2150mAh @0.2CmA discharge	Standard Charge Method: Constant Current/Constant Voltage (CC/CV) Current 0.5CmA Voltage 4.2V End Current 0.02CmA
Cycle Life: ≥ 80% Initial Capacity@300th cycles	Maximum Discharge Current: 2CmA
Internal Impedance: ≤ 70mΩ	Standard Discharge: Constant Current (CC) Current 0.5CmA End Voltage 3.0V
Weight of Bare Cell: 45±2g	
Dimension (max.): Diameter 18.5mm x Height 65.5mm	
Operating Temperature: Charge 0°C / +45 °C Discharge -20°C / +60°C	Storage Temperature: 1 month -20°C / +45 °C 6 months -20°C / +35 °C

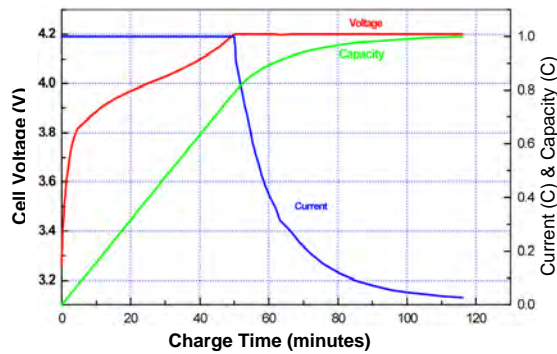
CAUTIONS

Avoid over-charging: charging voltage must not be over 4.25V.
Charging temperature shall be at 0°C ~ +45°C range.
No reverse charging.

Discharge current must be below 2CmA/cell.
Discharge end voltage must be over 2.75V.
Discharge temperature range shall be at -20°C ~ 60°C.

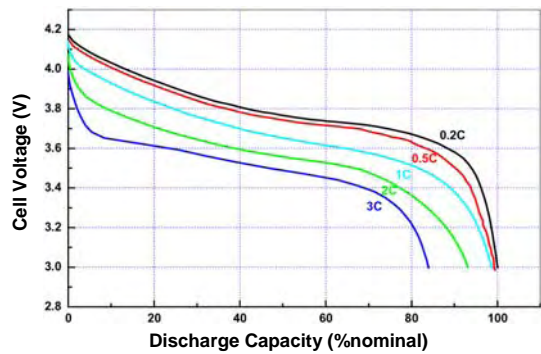
PERFORMANCE

Charge Specialties



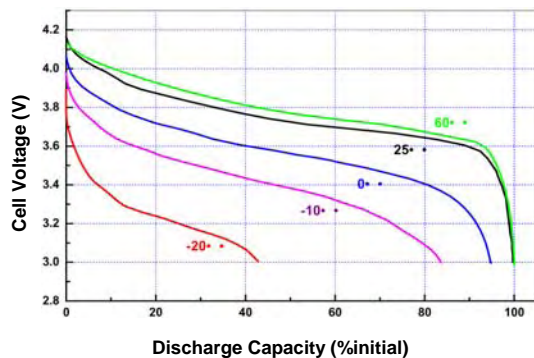
Charge: CC/CV, 1CmA, 4.2V, 0.02C cut-off at RT.

Discharge Specialties



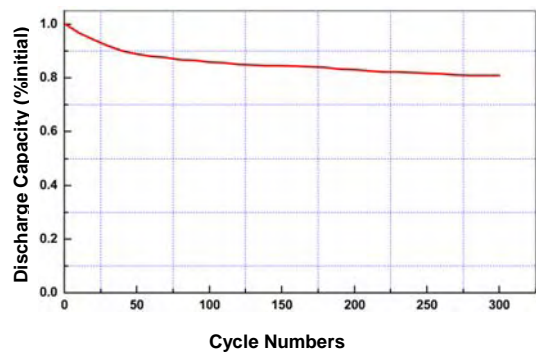
Charge: CC/CV, 1CmA, 4.2V, 0.02C cut-off at RT.
Discharge: CC, 3.0V cut-off at RT.

Temperature Specialties



Charge: CC/CV, 1CmA, 4.2V, 0.02C cut-off at RT.
Discharge: CC, 1CmA, 3.0V cut-off.

Cycle Life



Charge: CC/CV, 0.5CmA, 4.2V, 0.02C cut-off at RT.
Discharge: CC, 0.5CmA, 3.0V cut-off at RT.

CC - Constant Current

CV - Constant Voltage

RT - Room Temperature

Product specifications are subject to change without prior notice. Please contact BiPOWER for update information.