

MODEL: LP103450

CHEMISTRY: LITHIUM-ION

SYSTEMS: LITHIUM-ION RECHARGEABLE

GENERAL SPECIFICATIONS

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|---|--|
| Average Working Voltage: 3.7V @0.2C* | Charging Voltage: 4.20V ± 0.05V |
| Nominal Capacity: 1750mAh @0.2C discharge | Maximum Charge Current: 1C |
| Cycle Life: ≥ 80% Initial Capacity@400th cycle | Standard Charge Method: Constant Current/Constant Voltage (CC/CV) Current 0.5C Voltage 4.2V End Current 20mA |
| Internal Impedance: ≤ 70mΩ | |
| Weight of Bare Cell: 40g Approx. | Maximum Discharge Current: 2C |
| Dimension (max.): T10.8mm x W34.0mm x H49.8mm | Standard Discharge: Constant Current (CC) Current 1C End Voltage 3.0V |
| 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

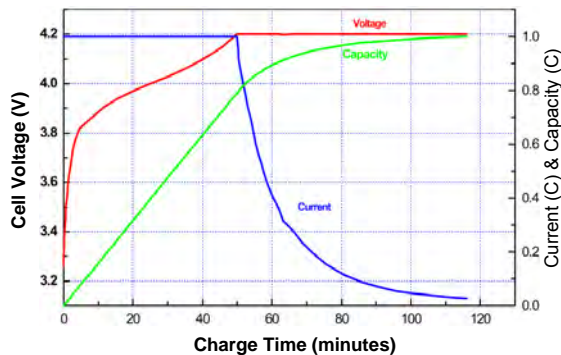
Avoid over-charging: charging voltage must not be over 4.25V.
Charging temperature shall be at 0°C ~ +45°C range.
No reverse charging.

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

*C Rate ("C"): The rate (milliamperes) at which a fully charged cell is discharged to its end voltage in one (1) hour.
C Capacity: The capacity (milliampere-hour) obtained during a C discharge.

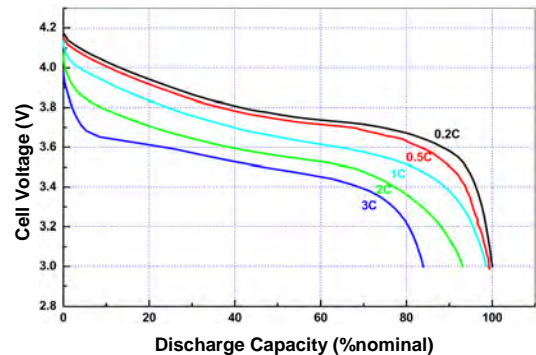
PERFORMANCE

Charge Characteristics



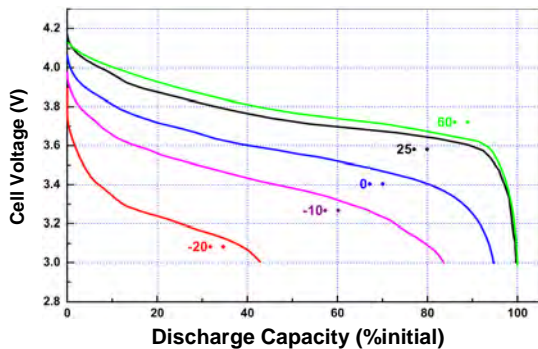
Charge: CC/CV, 1C, 4.2V, 20mA cut-off at RT.

Discharge Characteristics



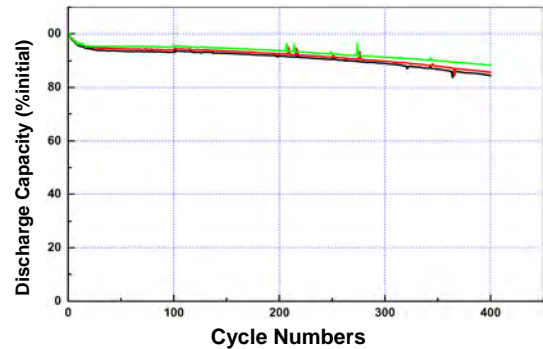
Charge: CC/CV, 0.5C, 4.2V, 20mA cut-off at RT.
Discharge: 3.0V cut-off at RT.

Temperature Characteristics



Charge: CC/CV, 0.5C, 4.2V, 20mA cut-off at RT.
Discharge: 3.0V cut-off.

Cycle Life



Charge: CC/CV, 0.5C, 4.2V, 20mA cut-off at RT.
Discharge: CC, 1C, 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.