MODEL: LR17650 CHEMICSTRY: LITHIUM-ION SYSTEMS: LITHIUM-ION RECHARGEABLE

GENERAL SPECIFICATIONS

Rated Working Voltage:	3.7V	Charging Voltage:	4.20V ± 0.05V
Nominal Capacity:	1400mAh @0.2CmA discharge	Maximum Charge Current:	1CmA
Minimum Capacity:	1350mAh @0.2CmA discharge	Standard Charge Method:	Constant Current/Constant Voltage (CC/CV) Current 0.5CmA Voltage 4.2V End Current 0.02CmA
Cycle Life Capacity:	≥ 80% Initial Capacity@300th cycles		
Internal Impedance:	≤ 70mΩ	Maximum Discharge Current:	2CmA
Weight of Bare Cell:	37±1g Approx.	Standard Discharge:	Constant Current (CC) Current 1CmA End Voltage 3.0V
Dimension (max.):	Diameter 17.0mm 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

PERFORMANCE

Discharge Capacity @1CmA discharge to 3.0V at 25°C±5°C:	≥ 90% of Initial Capacity
High Temperature Performance @60°C±2°C at 1CmA discharge to 3.0V:	≥ 90% of Initial Capacity
Low Temperature Performance @-20°C±2°C at 0.2CmA discharge to 3.0V:	≥ 70% of Initial Capacity
Cycle Life Capacity @0.5CmA charge and 1CmA discharge to 3.0V as one cycle at 25°C±5°C:	≥ 80% of Initial Capacity @300th cycle

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.

SAFETY TESTS

Our Lithium-ion batteries have been tested in compliance with international standards for safety and certain conditions of abusive use. Those tests include:

- Drop test
- Short circuit test
- Airproof test
- Overcharging test
- Heating test
- Nail test

Our Lithium-ion cells have proved safe and reliable under the test conditions.

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

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