

LI-ION



CELL – BMZ 14500 7EM1

TECHNICAL INFORMATION

Lithium Ion Rechargeable Battery

Name and Code

- Cell Name: BMZ 14500 7EM1
- Cell Code: 24864

Cell Shape and Weight

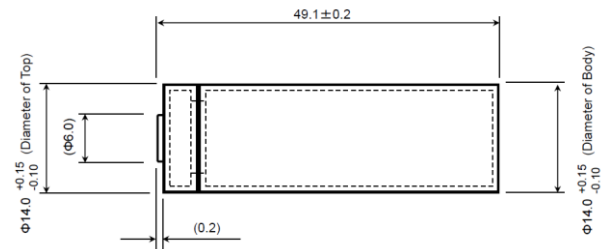
- Cell Shape: cylindrical
- Weight: 19.3 g average

Safety Regulation

- UN, IEC, UL

Size (with plastic tube):

- Diameter: 14.15 mm max
- Length: 49.30 mm max



HIGH ENERGY

- Charge Method: CC-CV
- Nominal Charge Current: 1 A
- Maximum Charge Current: 2 A
- Maximum Charge Voltage: 4.2 V
- Discharge Cut Off Voltage: 3 V

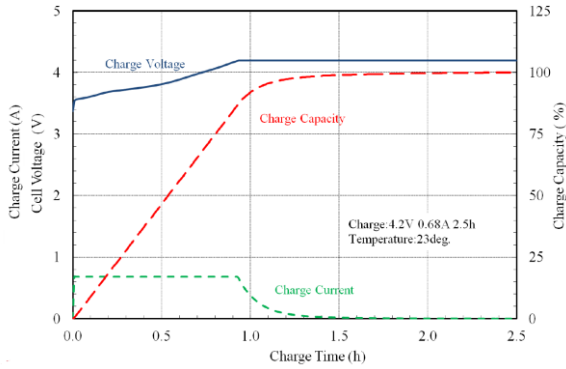
Performance

(at room temperature, 2.5 V cut off)

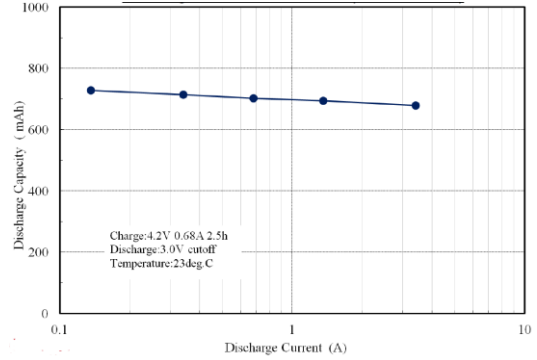
Nominal Capacity (0.2 C discharge)	715 mAh	
Rated Capacity (0.2 C discharge)	680 mAh	
Continuous Maximum Discharge Current	2 A	
Nominal Voltage	3.6 V	
Operating temperature	Charging: 0°C – 45°C	Discharging: -20°C – 60°C
Internal Impedance	< 75 mΩ	measured at AC 1 kHz



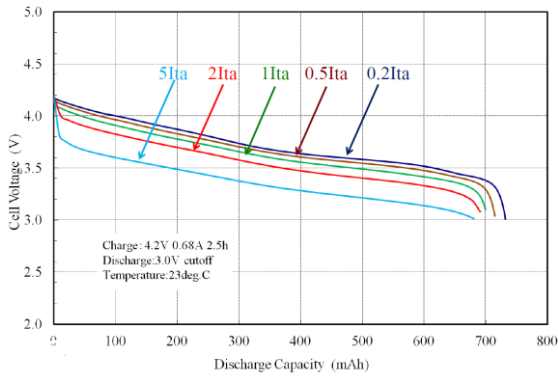
CHARGE CHARACTERISTICS



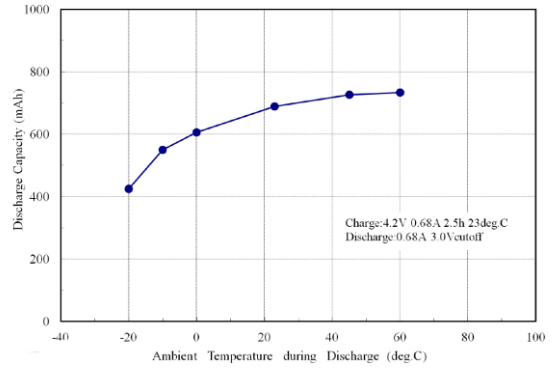
DISCHARGE LOAD CHARACTERISTICS



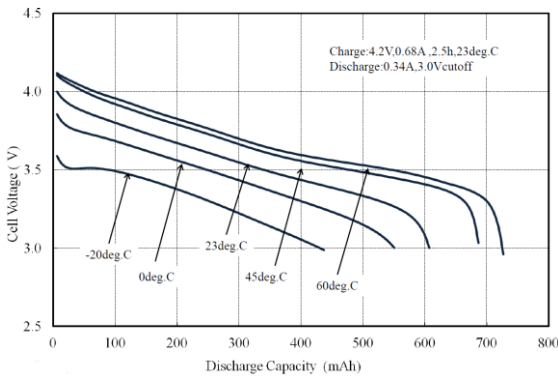
DISCHARGE LOAD CHARACTERISTICS



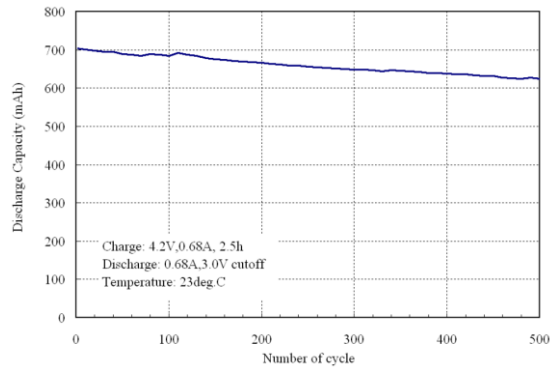
TEMPERATURE DEPENDENCE OF DISCHARGE CAPACITY



TEMPERATURE DEPENDENCE OF DISCHARGE CAPACITY



CYCLE LIFE PERFORMANCE



Data is for reference use only. Not guarantee value.

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