

LI-ION



CELL – BMZ 21700 50EL

TECHNICAL INFORMATION

Lithium Ion Rechargeable Battery

Name and Code

- Cell Name: BMZ 21700 50EL
- Cell Code: 36629

Cell Shape and Weight

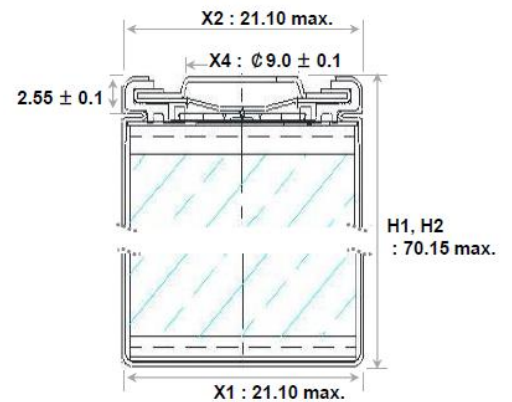
- Cell Shape: cylindrical
- Weight: 68.5 g ± 1.00 g

Safety Regulation

- UN

Size (with plastic tube):

- Diameter: 21.10 mm
- Length: 70.15



HIGH ENERGY

- Charge Method: CC-CV
- Nominal Charge Current: 1.45 A
- Maximum Charge Current: 2.38 A
- Maximum Charge Voltage: 4.2 V

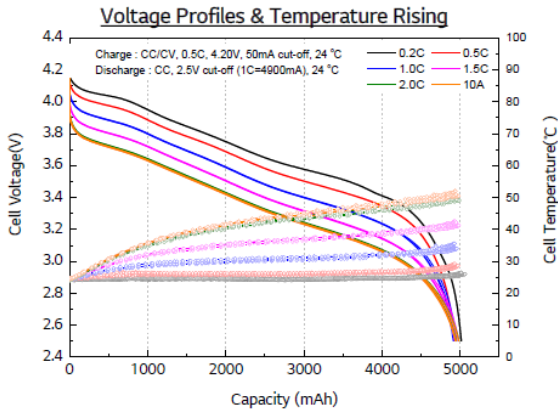
Performance

(at room temperature, 2.5 V cut off)

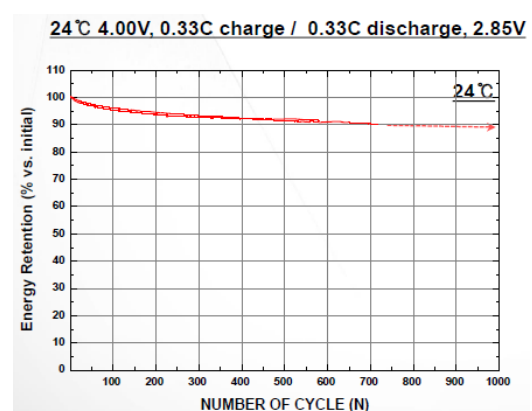
Nominal Capacity (0.2 C discharge)	5000 mAh	
Rated Capacity (0.2 C discharge)	4850 mAh	
Continuous Maximum Discharge Current	14 A	
Allowable Environment Temperatures	Charging: 0°C – 45°C	Discharging: -20°C – 55°C
Storage Temperatures	1 month: -20°C – 55°C	3 months: -20°C – 45°C
Internal Impedance	25 mΩ	measured at AC 1 kHz
DC Resistance	30 ± 6 mΩ	measured at SOC 50%



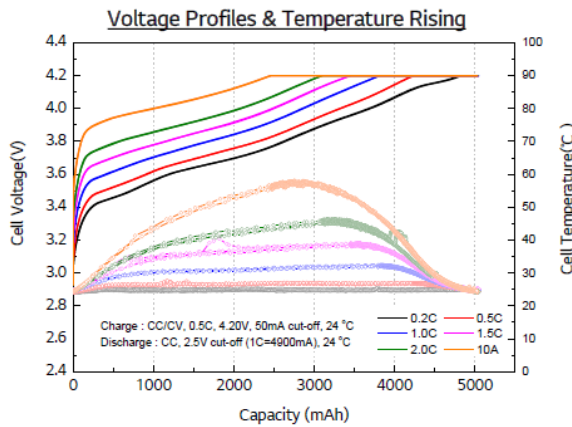
DISCHARGE LOAD CHARACTERISTICS



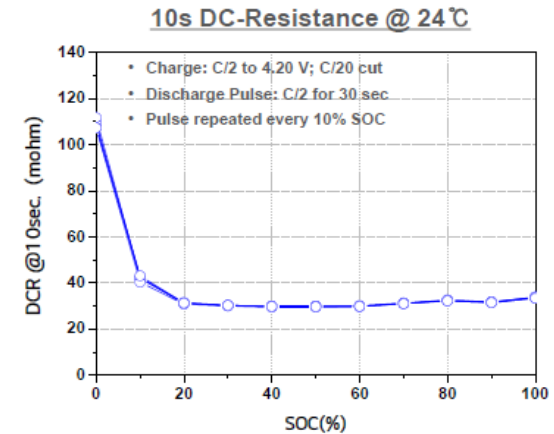
CYCLE PERFORMANCE



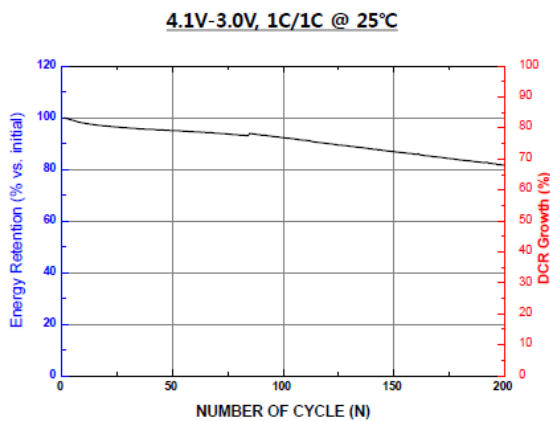
CHARGE RATE CAPABILITY



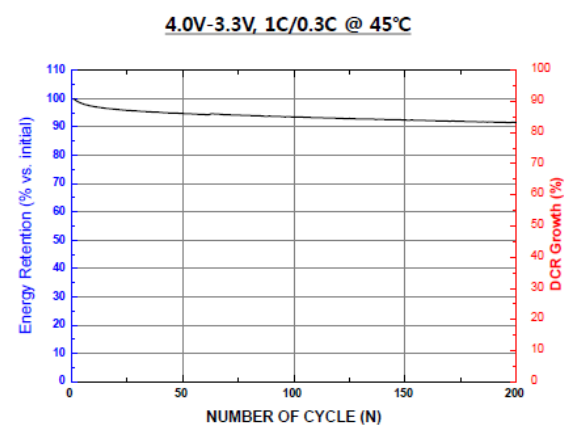
DC RESISTANCE



FAST CHARGE



FAST CHARGE



Data is for reference use only. Not guarantee value.

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