

LI-ION



CELL – BMZ 18650 31PM

TECHNICAL INFORMATION

Lithium Ion Rechargeable Battery

Name and Code

- Cell Name: BMZ 18650 31PM
- Cell Code: 28403

Cell Shape and Weight

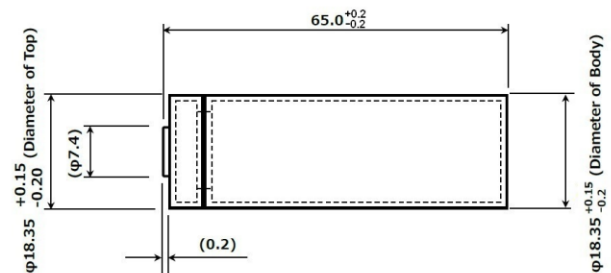
- Cell Shape: cylindrical
- Weight: 46.60 g (average)

Safety Regulation

- UN, IEC, UL

Size (with plastic tube):

- Diameter: 18.50 mm max
- Length: 65.20 mm max



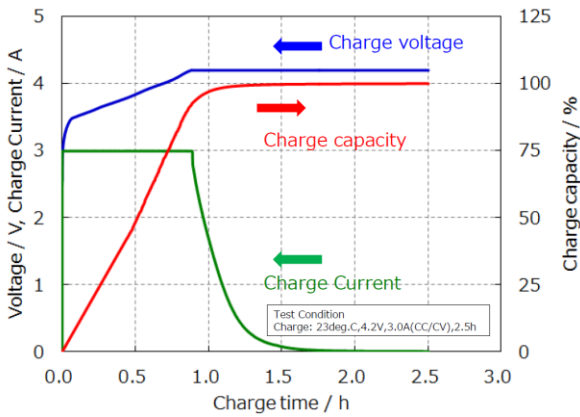
HIGH POWER

Performance		
Nominal Capacity at 0.2 C	3120 mAh	discharge 2.0 V cut off at 23°C
Rated Capacity at 0.2 C	3000 mAh	discharge 2.0 V cut off at 23°C
Capacity at 10 A	2700 mAh	discharge 2.5 V cut off at 23°C
Capacity at 15 A	2400 mAh	discharge 2.5 V cut off at 23°C
Nominal Voltage	3.6 V	
Internal Impedance	8 - 18 mΩ	measured at AC 1 kHz

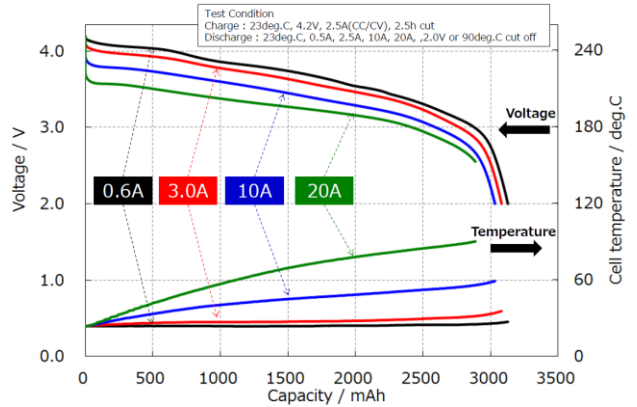
- Charge Method: CC-CV
- Nominal Charge Current: 3.0 A
- Maximum Charge Current: 5.0 A
- Maximum Charge Voltage: 4.25 V
- Maximum Discharge Current: 30.0 A
- Cut Off Voltage: 2.0 V
- Ambient Temp. Charge: 0°C...+60°C
- Ambient Temp. Discharge: -20°C...+60°C



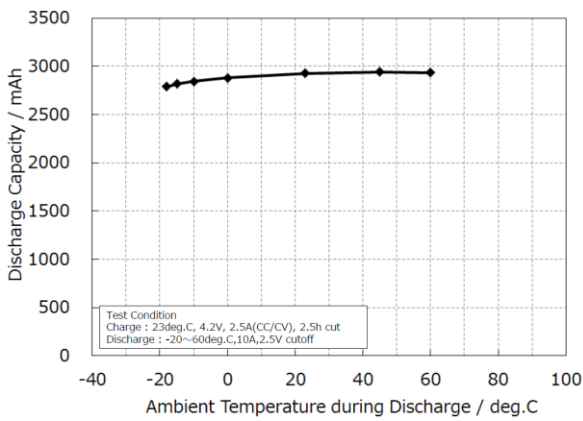
CHARGE CHARACTERISTICS



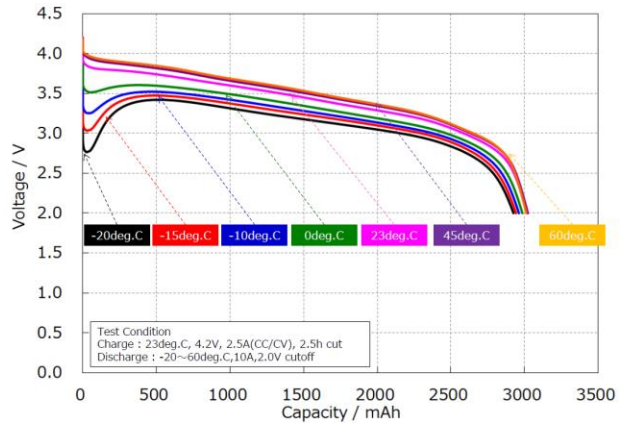
DISCHARGE LOAD CHARACTERISTICS



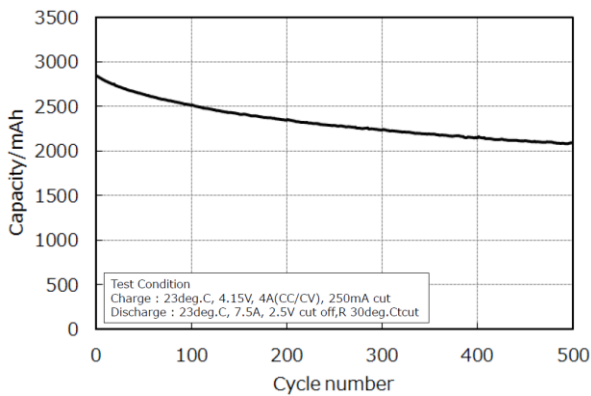
DISCHARGE CAPACITY OVER TEMPERATURE



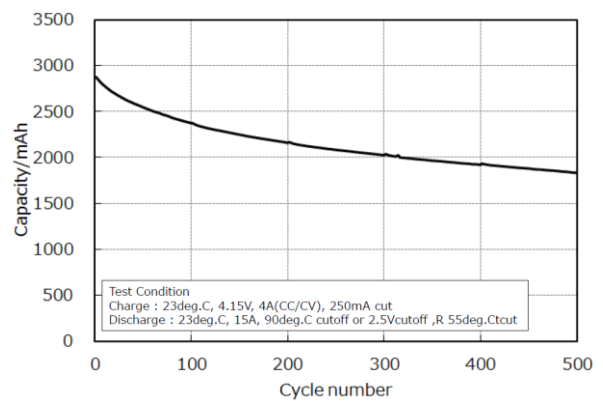
DISCHARGE CURVES OVER TEMPERATURE



CYCLE LIFE PERFORMANCE (7.5 A DISCHARGE)



CYCLE LIFE PERFORMANCE (15 A DISCHARGE)



Data is for reference use only. Not guarantee value.

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