

LI-ION



CELL – BMZ 21700 40PS1

TECHNICAL INFORMATION

Lithium Ion Rechargeable Battery

Name and Code

- Cell Name: BMZ 21700 40PS1
- Cell Code: 33644

Cell Shape and Weight

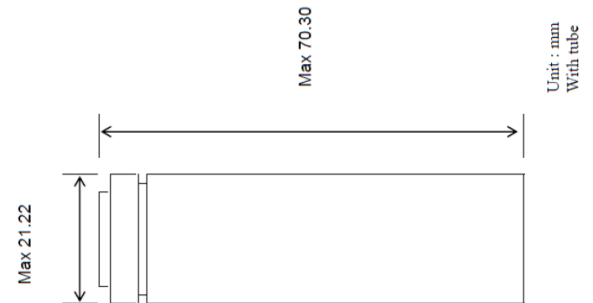
- Cell Shape: cylindrical
- Weight: 70.0 g average

Safety Regulation

- UN, IEC, UL

Size (with plastic tube):

- Diameter: 21.22 mm max
- Length: 70.30 mm max



HIGH POWER

Performance

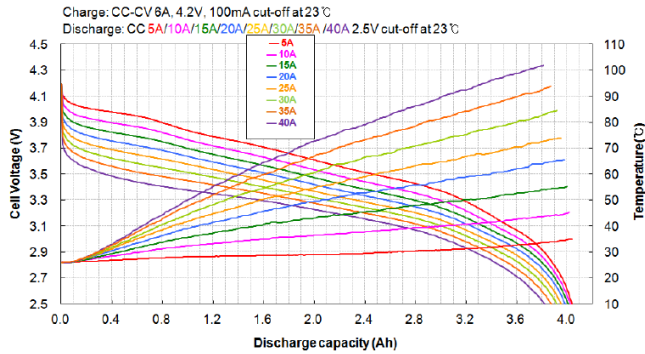
(at room temperature, 2.5 V cut off)

Nominal Capacity (0.2 C discharge)	4000 mAh	
Rated Capacity (0.2 C discharge)	3900 mAh	
Continuous Maximum Discharge Current	35 A	
Nominal Voltage	3.6 V	
Operating temperature	Charging: -10°C – 60°C	Discharging: -20°C – 80°C
Storage Temperatures	1 month: 0°C – 60°C	3 months: 0°C – 45°C
Internal Impedance	< 15 mΩ	measured at AC 1 kHz

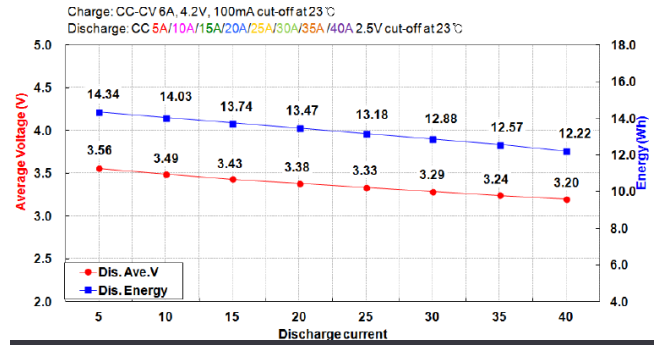
- Charge Method: CC-CV
- Nominal Charge Current: 2 A
- Maximum Charge Current: 6 A
- Maximum Charge Voltage: 4.2 V
- Discharge Cut Off Voltage: 2.5 V



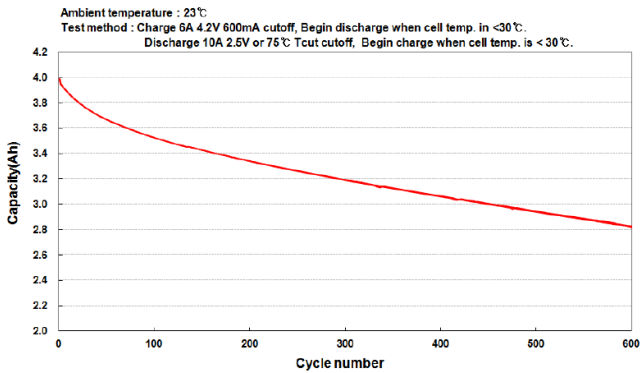
CAPACITY & TEMPERATURE VS. DISCHARGE CAPACITY



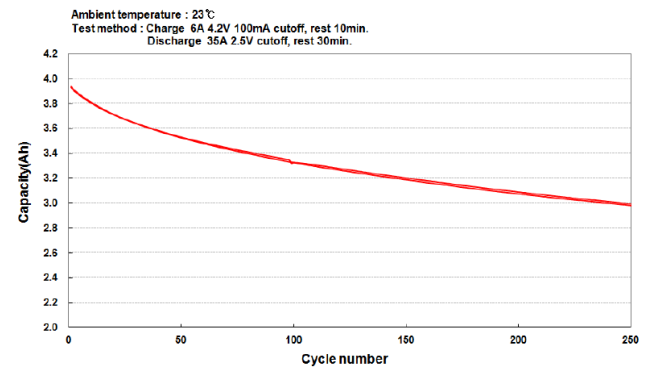
ENERGY & AVG. VOLTAGE AT DIFFERENT CURRENT



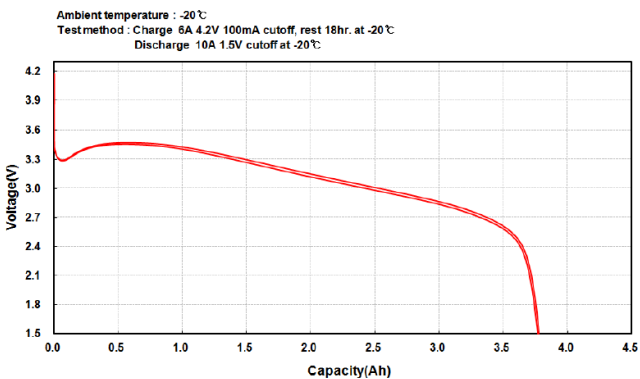
CYCLE LIFE (10A CYCLE)



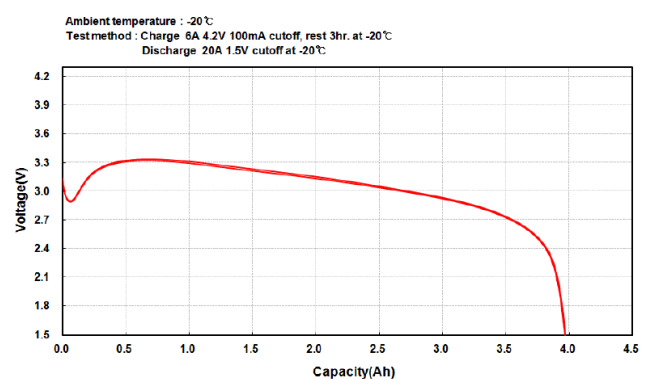
CYCLE LIFE (35A CYCLE)



LOW TEMPERATURE DISCHARGE (10A)



LOW TEMPERATURE DISCHARGE (20A)



Data is for reference use only. Not guarantee value.

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