

LI-ION



CELL – BMZ 21700 48ES

TECHNICAL INFORMATION

Lithium Ion Rechargeable Battery

Name and Code

- Cell Name: BMZ 21700 48ES
- Cell Code: 33648

Cell Shape and Weight

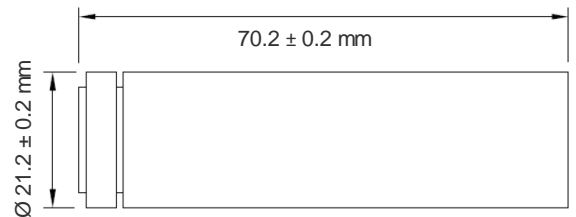
- Cell Shape: cylindrical
- Weight: max. 67,5 g

Safety Regulation

- UN, IEC, UL

Size (with plastic tube):

- Diameter: 21.2 ± 0.2 mm
- Length: 70.2 ± 0.2 mm



HIGH ENERGY

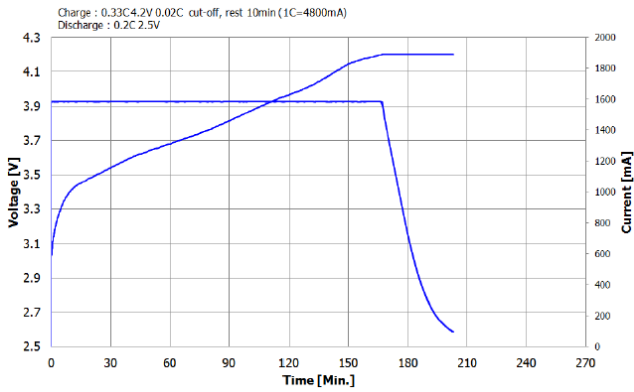
Performance

(at room temperature, 2.5 V cut off)

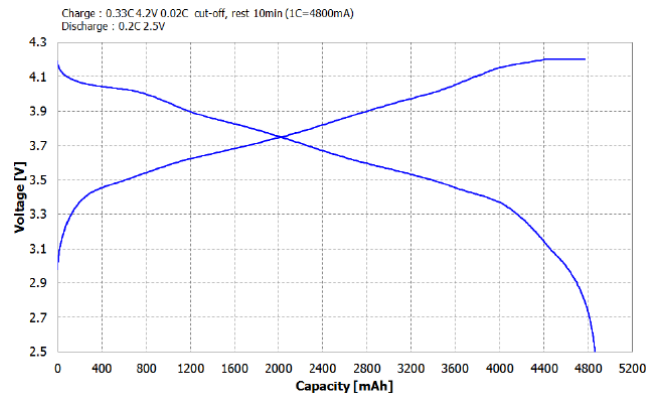
Nominal Capacity (0.2 C discharge)	4800 mAh	
Continuous Maximum Discharge Current	10 A	
Nominal Voltage	3.6 V	
Allow able Environment Temperatures	Charging: 0°C – 45°C	Discharging: -20°C – 60°C
Storage Temperatures	1 month: 0°C – 55°C	
Internal Impedance	< 14 mΩ	measured at AC1 kHz

- Charge Method: CC-CV
- Nominal Charge Current: 1,5 A
- Maximum Charge Current: 4,8 A
- Maximum Charge Voltage: 4.2 V
- Discharge Cut Off Voltage: 2.5 V

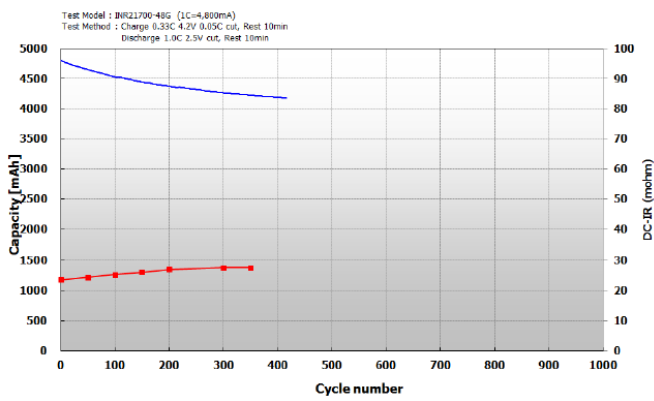
STANDARD CHARGE PROFILE



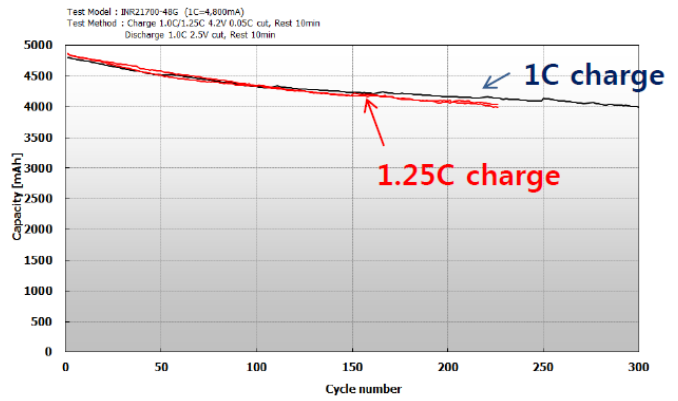
STANDARD CHARGE-DISCHARGE PROFILE



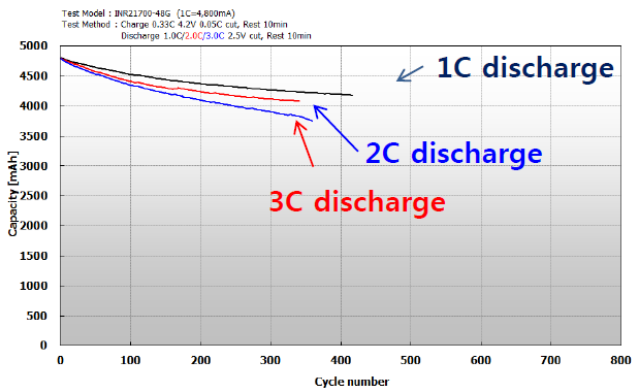
CYCLE LIFE CHARACTERISTICS



CYCLE LIFE VS. CHARGE RATE



CYCLE LIFE VS. DISCHARGE RATE



Data is for reference use only. Not guarantee value.

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