

LI-ION



CELL – BMZ 18650 13PL

TECHNICAL INFORMATION

Lithium Ion Rechargeable Battery

Name and Code

- Cell Name: BMZ 18650 13PL
- Cell Code: 14676

Cell Shape and Weight

- Cell Shape: cylindrical
- Weight: max. 42.0 g

Safety Regulation

- UN, IEC, UL

Size (with plastic tube):

- Diameter: 18.4 mm
- Length: 65.2 mm

HIGH POWER

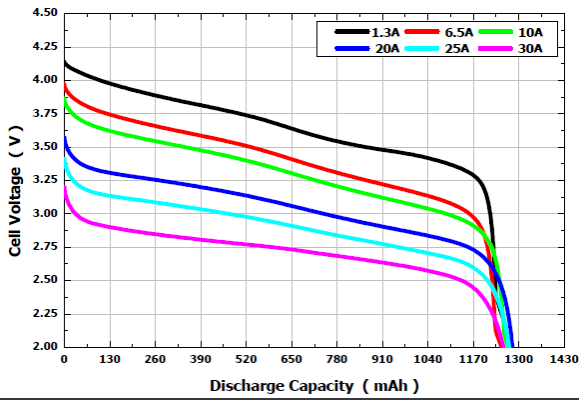
Performance

(at room temperature, 2.5 V cut off)

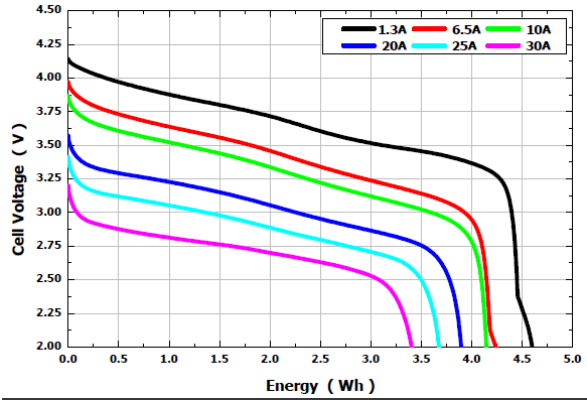
Nominal Capacity (0.2 C discharge)	1300 mAh	
Rated Capacity (0.2 C discharge)	1200 mAh	
Continuous Maximum Discharge Current	20 A	
Allowable Environment Temperatures	Charging: 0°C – 50°C	Discharging: -20°C – 75°C
Storage Temperatures	1 month: -20°C – 60°C	3 months: -20°C – 45°C
Internal Impedance	< 30 mΩ	measured at AC 1 kHz
DC Resistance	< 45 mΩ	measured at SOC 50%

- Charge Method: CC-CV
- Nominal Charge Current: 0.65 A
- Maximum Charge Current: 4.0 A
- Maximum Charge Voltage: 4.2 V
- Charge Time 140 min

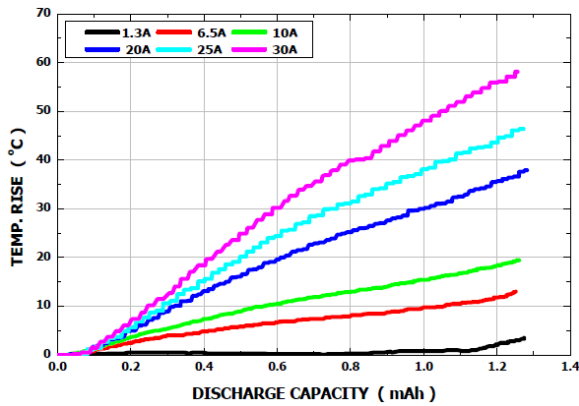
CAPACITY VS. DISCHARGE CURRENT



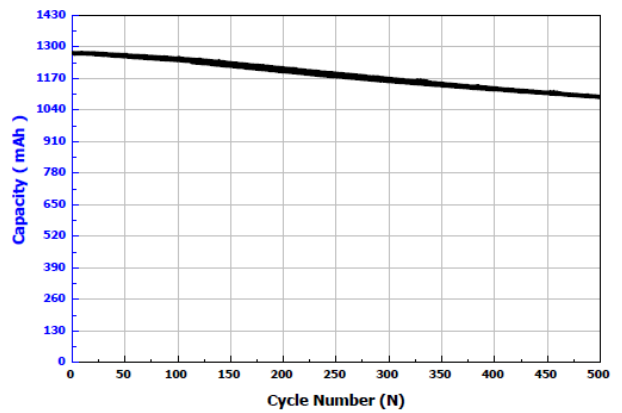
ENERGY VS. DISCHARGE CURRENT



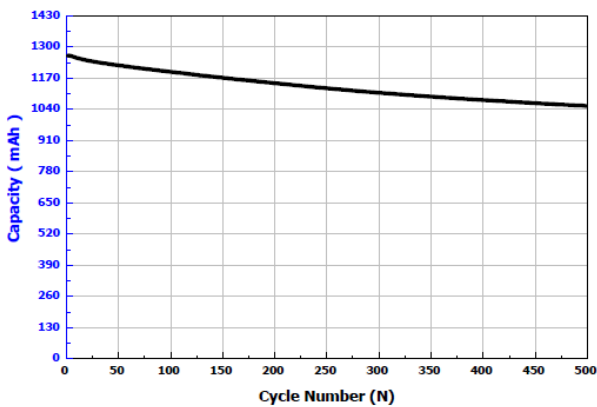
TEMPERATURE RISE VS. CAPACITY AT DIFFERENT CURRENT



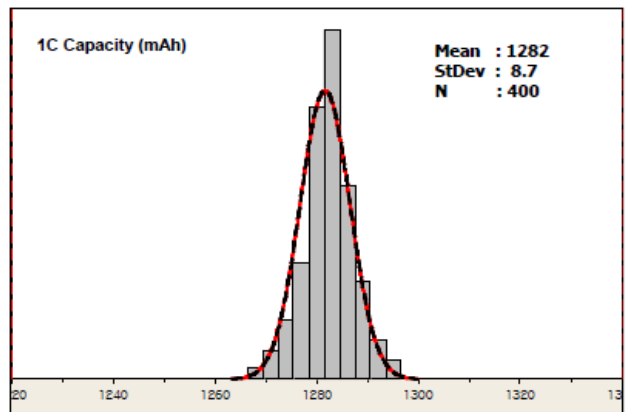
10A CYCLE LIFE (RT)



20A CYCLE LIFE (RT)



CAPACITY DISTRIBUTION



Data is for reference use only. Not guarantee value.

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