

LI-ION



CELL – BMZ 18650 11PA

TECHNICAL INFORMATION

Lithium Ion Rechargeable Battery

Name and Code

- Cell Name: BMZ 18650 11PA

Cell Shape and Weight

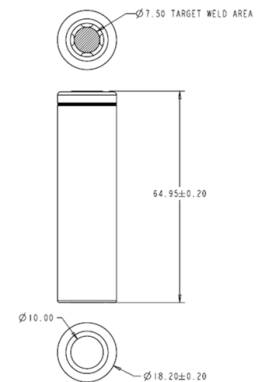
- Cell Shape: cylindrical
- Weight: 39 g

Safety Regulation

- UN, IEC, UL

Size (with plastic tube):

- Diameter: 18.2 mm
- Length: 64.9 mm



ROBUST AND EXTREME SAFETY

- Charge Method: CC-CV
- Voltage nominal: 3.3 V
- Maximum Charge Current: 4.0 A
- Maximum Charge Voltage: 3.6 V
- Charge Time: 0,75 h
- Ambient Temperature: 23°C

Performance

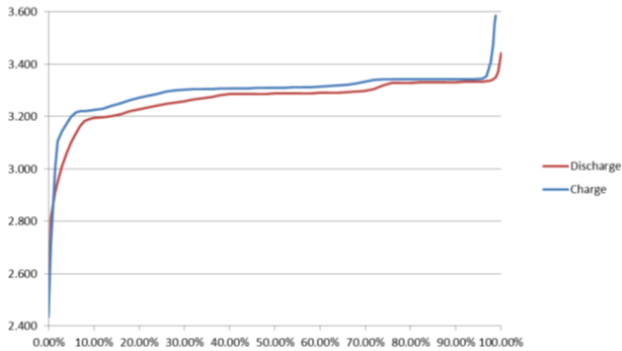
(at room temperature, 2.0 V cut off)

Rated Capacity (0.2 C discharge)	1100 mAh	
Continuous Maximum Discharge Current	30 A	
Energy Density	220 Wh/l	
Allowable Environment Temperatures	Charging: 0°C – 60°C	Discharging: -20°C – 60°C
Extreme Temperatures with reduced lifetime and performance	Charging: -30°C – 60°C	Discharging: -30°C – 90°C
Internal Impedance	12 mΩ	measured by AC 1 kHz



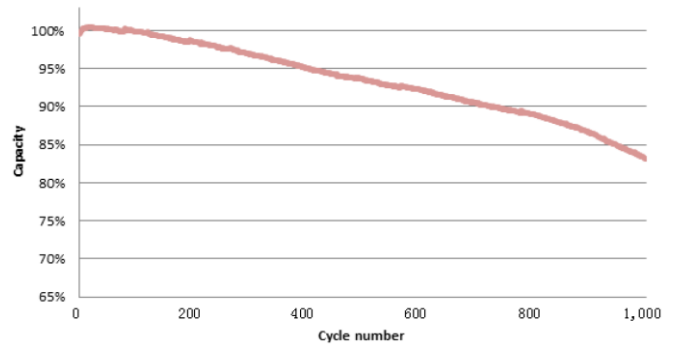
DISCHARGE / CHARGE LOAD CHARACTERISTICS

18650 OCV Hysteresis



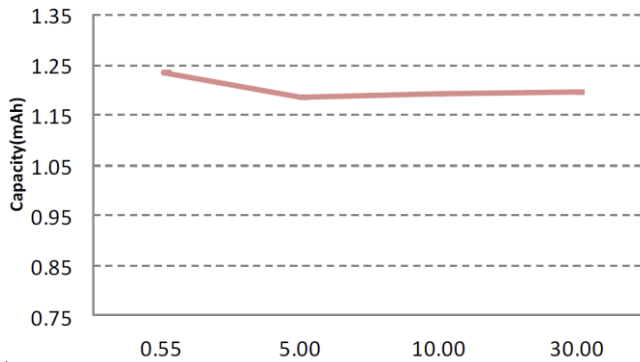
CYCLE LIFE PERFORMANCE

RT cycle performance (+1.5A/-10A)



RATED CAPACITY

Rate



Data is for reference use only. Not guarantee value.

BMZ GmbH | Am Sportplatz 28 | 63791 Karlstein am Main | Germany

Phone +49 61 88-9956-0 | Fax +49 61 88-9956-900 | mail@bmz-gmbh.de | www.bmz-gmbh.de