

LI-ION



CELL – BMZ 18650 30PS

## TECHNICAL INFORMATION

Lithium Ion Rechargeable Battery

### Name and Code

- Cell Name: BMZ 18650 30PS
- Cell Code: 27013

### Cell Shape and Weight

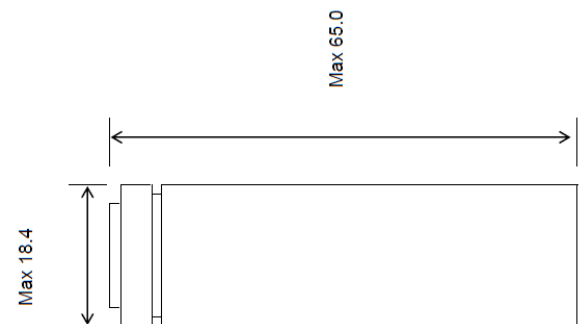
- Cell Shape: cylindrical
- Weight: 48.00 g (average)

### Safety Regulation

- UN, IEC, UL

### Size (with plastic tube):

- Diameter: 18.40 mm max
- Length: 65.00 mm max



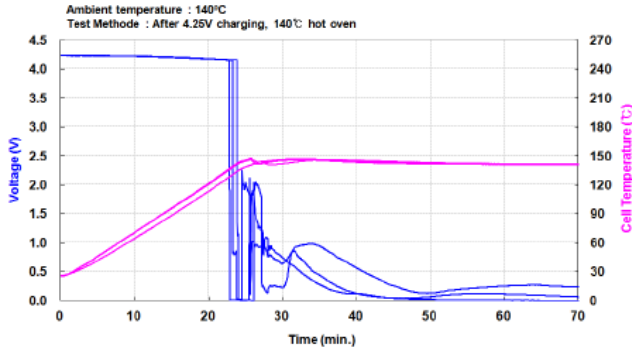
**HIGH POWER**

Performance		
Nominal Capacity at 0.2 C	2950 mAh	
Rated Capacity at 0.2 C	2900 mAh	
Continuous Maximum Discharge Current	15 A	
Nominal Voltage	3.6 V	
Allowable Environment Temperatures	Charging: 0°C – 50°C	Discharging: -20°C – 75°C
Storage Temperatures	1 month: -30°C – 60°C	3 months: -30°C – 45°C
Internal Impedance	< 18 mΩ	measured at AC 1 kHz

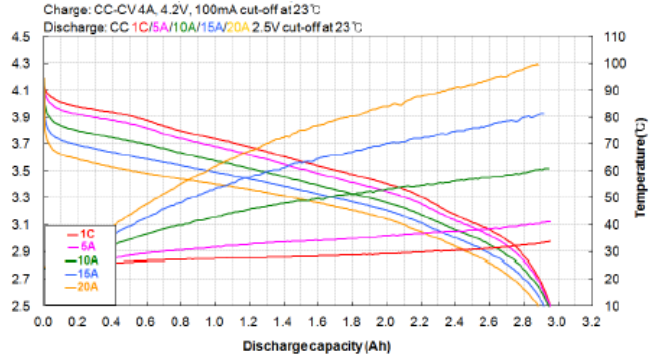
- Charge Method: CC-CV
- Nominal Charge Current: 1.5 A
- Maximum Charge Current: 4 A
- Maximum Charge Voltage: 4.2 V
- Discharge Cut Off Voltage: 2.5 V



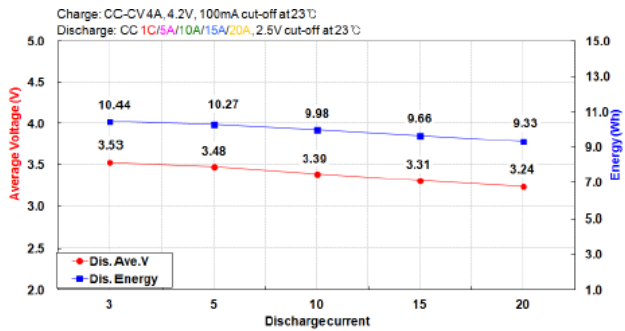
### SAFETY TEST - HOT OVEN(140°C) CELL



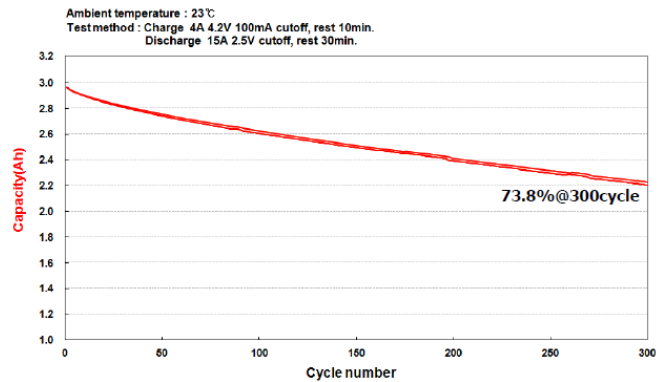
### CAPACITY & TEMPERATURE VS. DISCHARGE CAPACITY



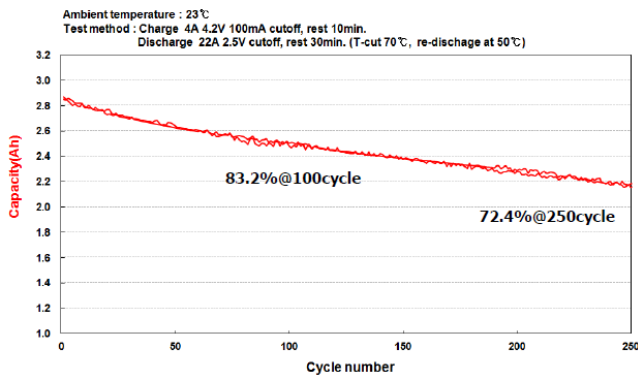
### ENERGY & AVG. VOLTAGE AT DIFFERENT CURRENT



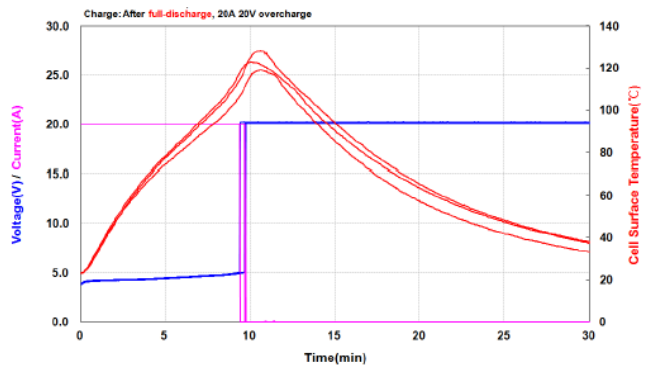
### CYCLE LIFE - 15A CYCLE



### CYCLE LIFE - 22A CYCLE(70°C T-CUT)



### SAFETY TEST - OVERCHARGE



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-group.com | www.bmz-group.com