

High Power Lithium Iron Phosphate Cell

For all motor driven applications like power tools etc.

1. General

1.1 Scope

This specification shall be applied to lithium iron phosphate rechargeable battery named BM26650ETC.

BM26650ETC utilized olivine-type lithium iron phosphate cathode material. It brings also high-power and long-life performance characteristic.

1.2 Name and Code

- 1.2.1 Cell Name : BM26650ETC
- 1.2.2 Model Number: BM26650ETC1

1.3 Cell Shape and Weight

- 1.3.1 Cell Shape: Cylindrical
- 1.3.2 Size (with plastic tube) :
 - Diameter: 26.45 mm max
 - Length: 65.6 mm max

1.4 Safety Regulation

UL acquired

2. Performance

at room temperature, 2.0V cut off



Nominal Capacity (0.2C discharge)	3000mAh	average capacity 3.20V (average discharge voltage)
Rated Capacity (0.2C discharge)	2850mAh	minimum capacity
Rated Capacity (5A discharge)	2660mAh	
Rated Capacity (10A discharge)	2570mAh	
Nominal Voltage	3.2V ± 0.05V	
Internal Impedance	12-22mΩ Typ.	measured by AC1kHz
Cycle Performance	90 % Min. of Initial capacity at 2000 cycles	10A discharge

* standard charge condition

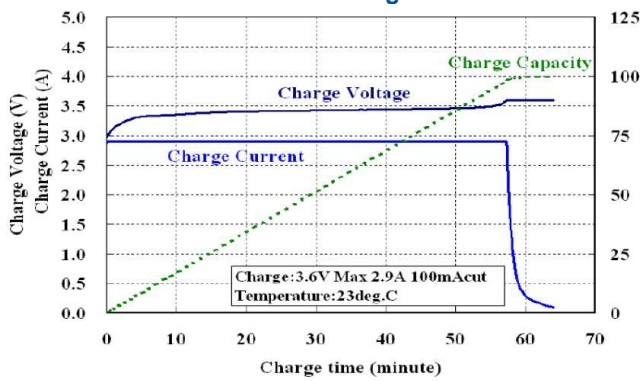
Charge method: constant current
constant voltage

Max. charge voltage: 3.6V ± 0.05V

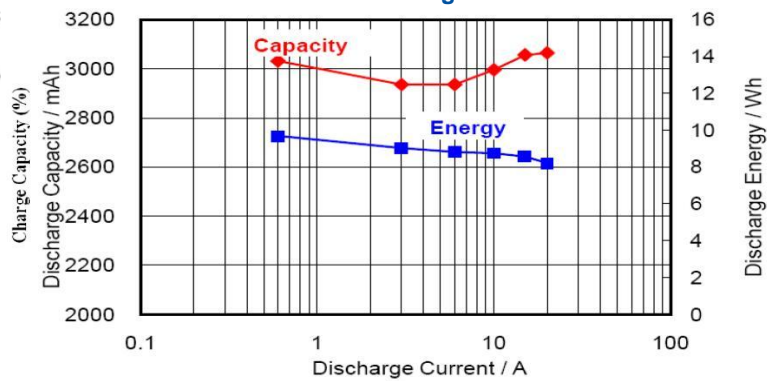
standard charge current: 2.85A 2.5h

Ambient temperature: 23 ± 2°C

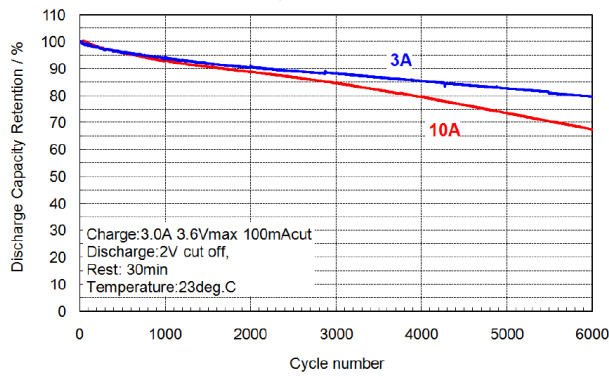
Charge



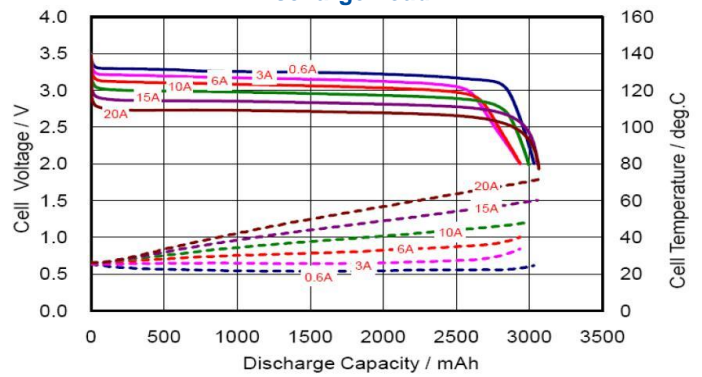
Discharge



Cycle Life



Discharge Load



Cell Size

