

# Tenergy Official Site

*Tenergy*

## Tenergy Polymer Li-Ion 1-2C 3.7V 50Ah (13212223) (Item Number: 30100)

Price per Unit (piece): [Log-in or Call for Pricing](#)



**Item Number: 30100**

### Features:

- Tenergy Unique High-Capacity Li-Po Single Cell
- High operating voltage
- Energy density is high, volumetric energy density of 350Wh/L and gravimetric energy density of 135Wh/kg.
- No memory effect
- Self-discharge is less than 10% per month
- Safety characteristics are excellent
- The battery has a wide discharging temperature range of -20 °C to +60 °C

Item	Spec	Note
<b>Model</b>	13212223/50000mAh	
<b>Charge Voltage</b>	4.2V	
<b>End-of-charge voltage</b>	4.2V	CC\CV
<b>Nominal Voltage</b>	3.7V	Cell Voltage between 3.6V ~3.9V before shipping
<b>Nominal Capacity</b>	>=50000mAh@ 0.2C Discharge	Nominal Capacity refer to the capacity of 0.2C discharge with 2.75V cut-off voltage, after charging with standard method.

<b>Cycle Life</b>	&ge; 300 Times	One cycle refer to one charge period and then one discharge period. Test condition: Charge: 0.2C to 4.2V Discharge: 0.2C to 2.75V The cycle life is the cycle times when the discharge capacity is about 80% of the rated capacity.
<b>Self-discharge</b>	Residual Capacity>90%	After standard charging, storied at 25°C±0.5°C for 30 days, then measure the capacity as item 4.
<b>Impedance</b>	Typical:8mΩ Max: 10mΩ	After standard charging, measure the internal resistance with AC1KHz
<b>Max. Charge Current</b>	1.0C	
<b>Max. Discharge</b>	1.0C	
<b>Discharge Cut-off Voltage</b>	2.75V	
<b>Operating Temperature</b>	Discharge:-10 ~ +60 Charge: 0 ~ +45	Cells must be storied at 3.6V-3.9V. During long period storage, cells should be maintained every 90 days. The method is to do a charge-discharge cycle with standard method, then charge to
<b>Storage Temperature</b>	-20 ~+45	3.7—3.9V.
<b>Cell Weight</b>	Approx 1.4Kg	

## Cautions

- **Li-ion cells are very sensitive to charging characteristics and may explode if mishandled.**
- User should have enough knowledge on Li-Ion rechargeable batteries in charging, discharging and assembly before use.
- We are not responsible for any damage caused by misuse or mishandling of these Polymer Li-Ion batteries

## [Vendor Information](#)