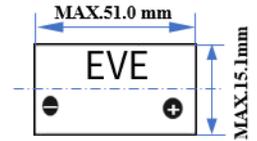


PLM1550

Long-life rechargeable lithium ion battery



International size reference: PLM1550

Technical data

- Nominal capacity: 450 mAh
(At RT, 250 mA discharge after standard charge)
- Nominal voltage: 3.6 V
- Charge voltage: 4.1 V
- End of discharge: 2.5 V (2.0 V at Lower temperature)
- Maximum Pulse current capability (RT): 5.0 A
- Max. charge current: 100 mA (0°C ~ +45°C)
20 mA (-40°C ~ +85°C)
- Internal impedance: ≤100 mΩ (@ 1kHz, RT)
- Charge Discharge Cycle: 400 mAh
(After 100 cycles discharge at 250 mA)

Safety tests

The cells successful passed the following safety tests:

- Short circuit
- Impact
- Crush
- Nail penetration
- Over charge up to 1.5 A, 4.6 V

Features & Benefits

- Safe design
- Rechargeable
- High power output
- Long life and high reliability
- Operating possible at extreme temperature

Application

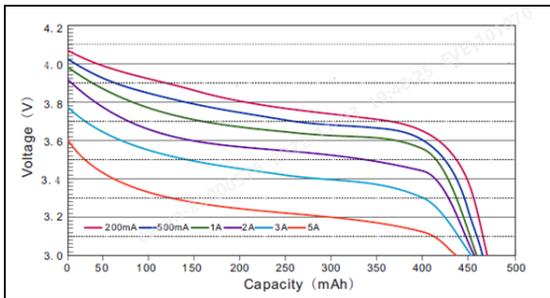
- Automotive Electronics
- Smart logistics tracking
- Internet of things

Warning

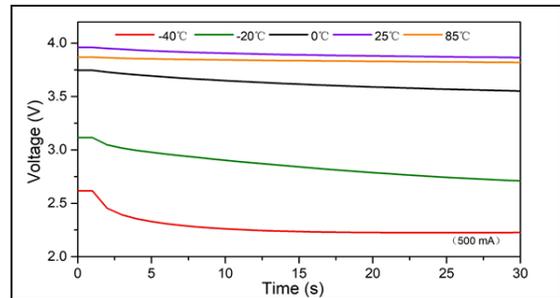
- Cell voltage should not be higher than 4.2 V.
- Cell voltage should not be lower than 2.0 V.
- For 2 cells or more in series, voltage shall be monitored on each cell.
- For more than 2 cells in parallel, maximum charge current shall be limited to 250 mA for the whole pack.

Discharge characteristic

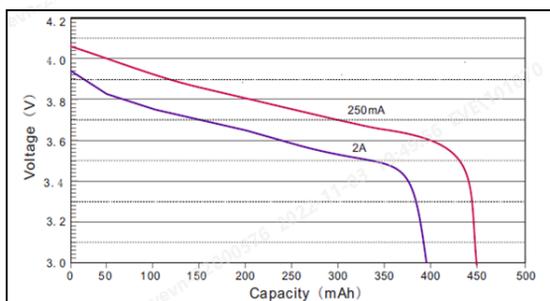
Discharge curve at room temperature



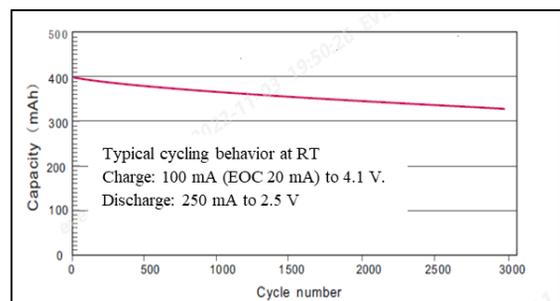
Discharge curve at several temperature, @2A



Discharge curve at 80°C temperature



Charge/Discharge cycling performance



ATTENTION:

Any discharge data in this document are all vertical discharge. Other conditions, consult EVE.

The above data comes from EVE's laboratory, any representations in this document concerning performance are for informational purpose only. EVE Energy Co.,Ltd reserves the right to interpret this data.



Official website

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