



LIVEN LVIL Series

Designed only for Li-Ion / LiPO Batteries.

High performance, completely maintenance-free, low self-discharge. Nominal Voltage: 3,6V per cell. Charge Voltage: 4,2V per cell. Discharge Cut-off Voltage: 2,75V per cell. Floating & standby use: up to 10 years.

100% precise quality testing, stable quality and high reliable performance. Uniform output voltage in the entire discharge curve. Long storage time.

Storage temperature range (-20°C ~ 45°C).

Working temperature range. (-20°C ~ 60°C).

Cycle use: Up to 1200 cycles at 50% DOD.

Applications:

- All Purpose.
- Solar Lighting.
- Lawn Lamp.
- Energy Storage.
- DC Power Supply.
- Industrial Equipment.
- Electric Tool.
- Toy model.
- New Energy Vehicles.
- Medical Equipment.

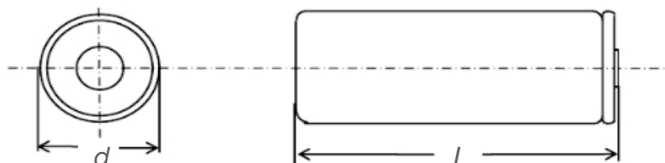
Dimensions:

Length	65.5±0.2mm (2.6in)
Diameter	26.2±0.2mm (1.0in)

Specifications:

Nominal Voltage	3.6V
Nominal Capacity	5000mAh @0.2C
Weight	Approx. ≤95g (0.21lbs)
Discharge	
Normal Current	2500mA
Max. Contin. Current	15000mA
Pulse Current	25000mA, 5s
Cut-Off Voltage	2.5V ±0.05 V
Charge	
Charge Voltage	4.2V ±0.05V
Max. Current	5000mA
Charge Mode	CC/CV, use special Lithium-Ion Charger
Internal Resistance	≤ 20mΩ
Operation Temperature Range ¹	Discharge: -10°C~60°C Charge: 0°C~45°C
Storage Temperature Range	0°C~40°C 15°C~25°C (Long term storage) (Capacity 80%)
Humidity Range ¹	Charge/Discharge: RH= 85% ² Storage: RH= 50% ²
Battery Pack Housing	Plastic Case
Normal Temperature Cycle	>500 Cycles @ 100% DOD >800 Cycles @ 80% DOD >1200 Cycles @ 50% DOD

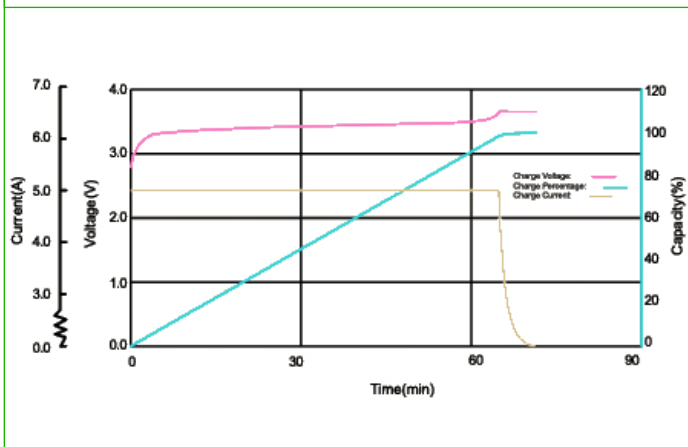
Technical Drawings:



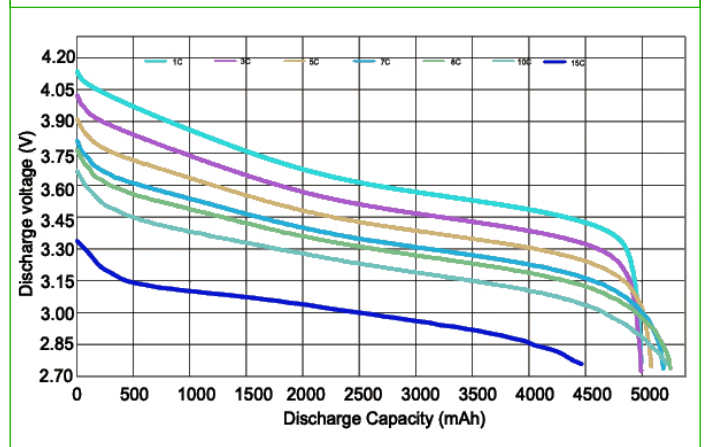
⁽¹⁾ When the environment temperature is higher than 45°C, please pay attention to ventilation and heat rejection.

⁽²⁾ When humidity is higher than 85%, pay attention to protect, easily oxidized components note sealed.

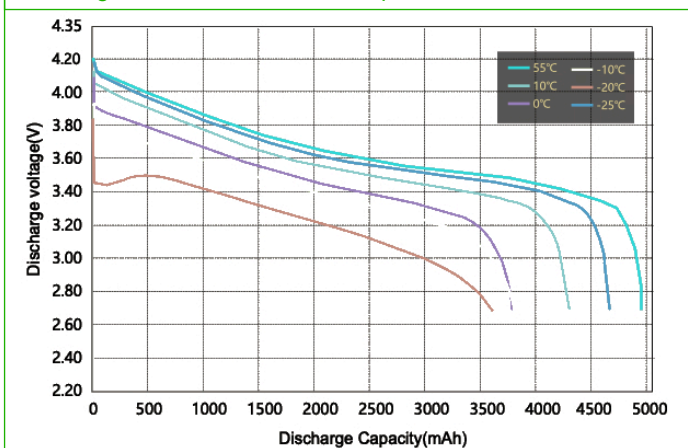
Charge Characteristics Curve



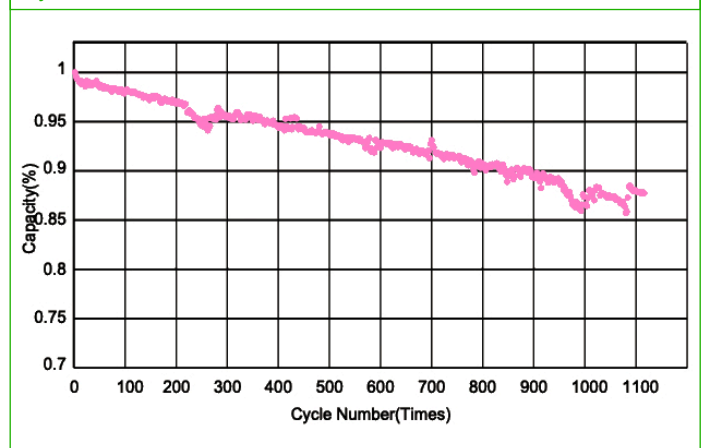
Discharge Curves at Different Rate



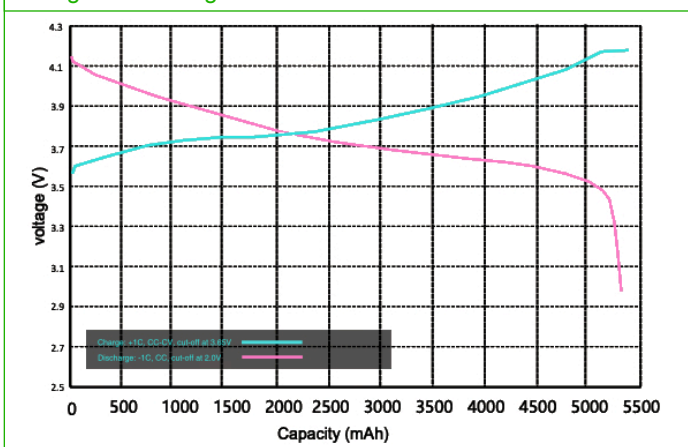
Discharge Curves at Different Temperatures



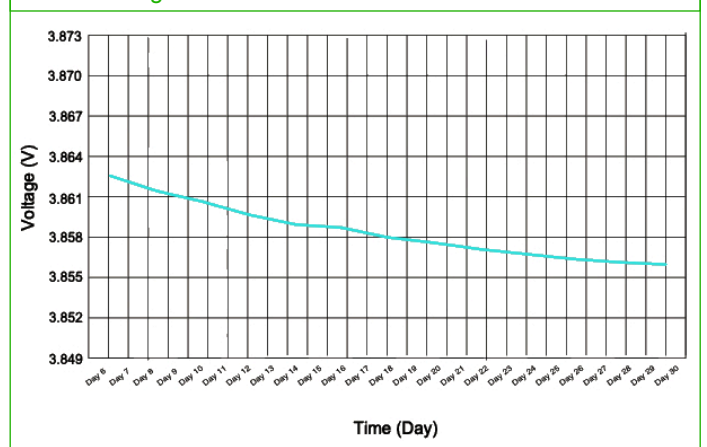
Cycle Curve



Charge & Discharge Curve



Self Discharge Curve



(Note) All above information shall be changed without prior notice. LIVEN Battery reserves the right to explain and update the latest information.