



LIVEN LVIF-G Golf Series

High performance, completely maintenance-free, low self-discharge.

Floating & standby use: up to 10 years @25°C.

100% precise quality testing, stable quality and high reliable performance.

Uniform output voltage in all the discharge curve.

Provide full nominal capacity, even at high currents.

Energy density: up to 130Wh/kg.

Capacity density: up to 145Ah/kg.

Suitable for standby power and energy storage power use.

Long storage time.

Cycle use: Up to 2000 cycles at 100% DOD.

Applications:

- Golf trolleys and Golf cart
- Wheelchairs and Scooters
- DC power supply
- Electric Power System (EPS)

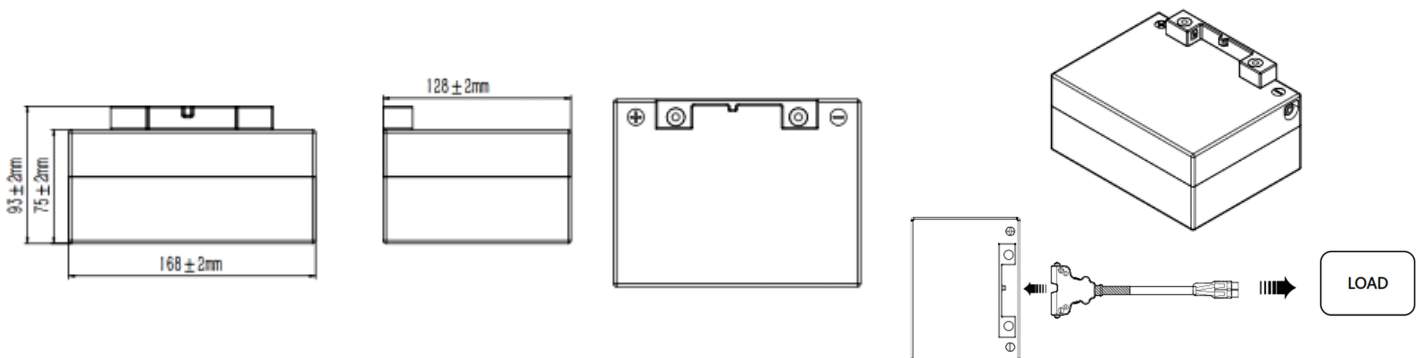
Dimensions:

Length	168±2mm (6.61in)
Width	128±2mm (5.04in)
Height	75±2mm (2.95in)
Total Height	93±2mm (3.66in)

Specifications:

Nominal Voltage	12.8V
Nominal Capacity	18.0Ah ±1Ah @0.2C @25°C
Weight	Approx. 2.2Kg ±0.1kg (4.85lbs)
Discharge	
Normal Current	≤ 15A
Max. Contin. Current	20A @5min
Max. Peak Current	25A @5s
Cut-Off Voltage	10.0V ±0.2V
Charge	
Charge Voltage	14.4V ±0.15V
Charge Current	≤ 4A
Charge Mode	CC/CV, use special LFP Charger
Discharge Inner Resistance	≤ 45mΩ
Configuration	04S05P
Operation Temperature Range ¹	Discharge: -20°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
BP Protection - BMS Features ³	OVP, UVP, SC, TEMP, BF
Battery Pack Housing	Plastic Case
Cycle	Standard charge at 0.2C (A), rest 0.5~1h, discharge at 0.2C to cut off voltage, rest 0.5~1h, repeat the above steps until 2000 cycles. (capacity retention rate= 80%)

Technical Drawings:

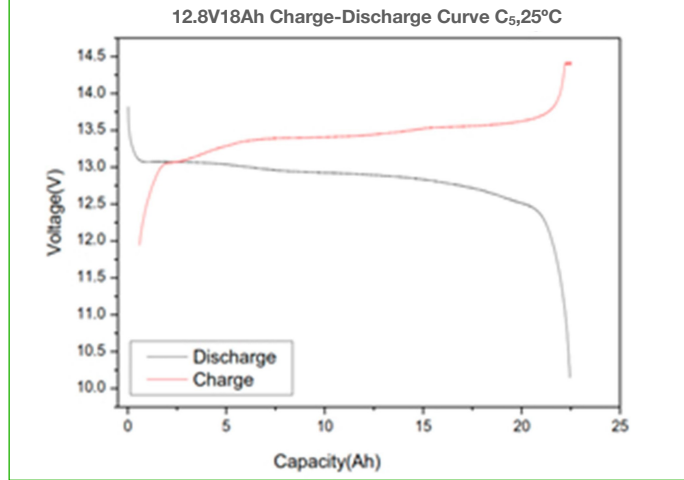


⁽¹⁾ When the environment temperature is higher than 45°C, please pay attention to ventilation and heat rejection.

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

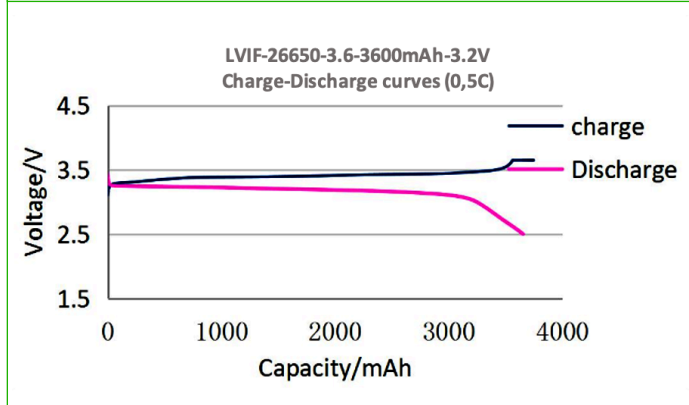
⁽³⁾ OVP=Over charge protection; UVP=Over discharge protection; SC=Short-circuit; TEMP=Temp. levels protection; BF=Balanced Function

Battery Characteristic Curve at 25°C (77°F)

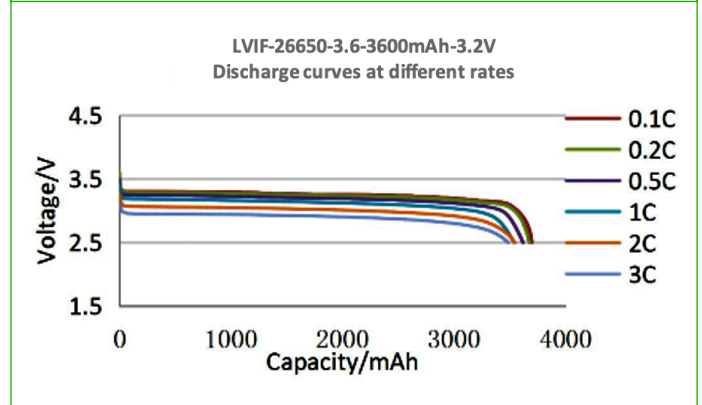


Cell feature Curves at 25°C (77°F)

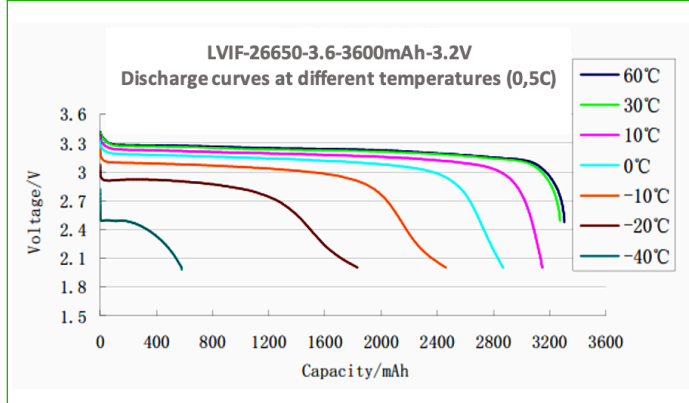
Relationship of OCV And State of Charge (20°C)



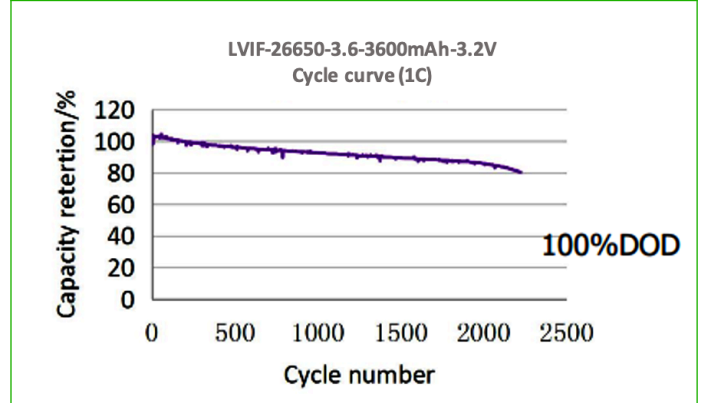
Relationship of OCV And State of Charge (20°C)



Relationship of OCV And State of Charge (20°C)



Relationship of OCV And State of Charge (20°C)



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