



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)

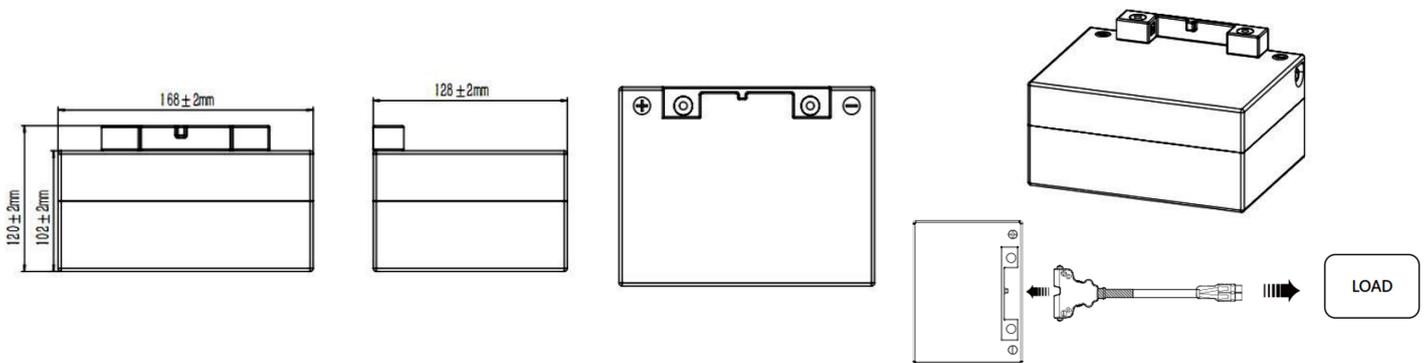
Dimensions:

Length	168±2mm (6.61in)
Width	128±2mm (5.04in)
Height	102±2mm (4.02in)
Total Height	120±2mm (4.72in)

Specifications:

Nominal Voltage	12.8V
Nominal Capacity	22.4Ah ±1Ah @0.2C @25°C
Weight	Approx. 2.6Kg ±0.1kg (5.73lbs)
Discharge	
Normal Current	≤ 10A
Max. Contin. Current	22A @5min
Max. Peak Current	30A @5s
Cut-Off Voltage	10.0V ±0.2V
Charge	
Charge Voltage	14.4V ±0.15V
Charge Current	≤ 5A
Charge Mode	CC/CV, use special LFP Charger
Discharge Inner Resistance	≤ 40mΩ
Configuration	04S07P
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:

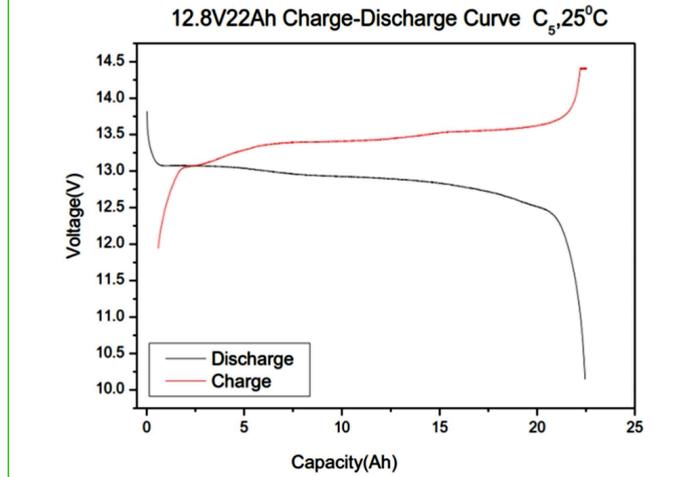


⁽¹⁾ When the environment temperature is higher than 45°C, please pay attention to ventilation and heat rejection.

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

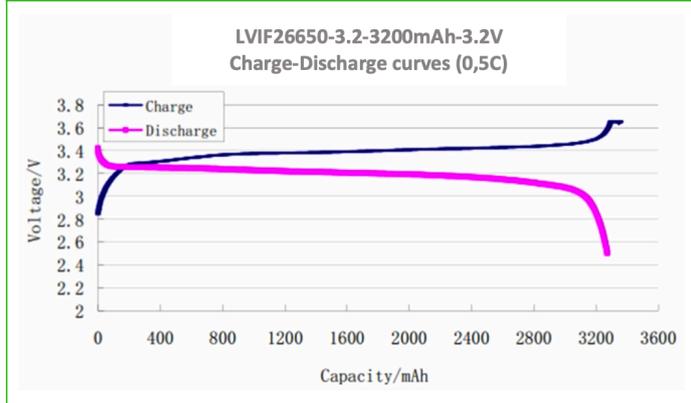
⁽³⁾ OVP=Over charge protection; UVP=Over discharge protection; SC=Short-circuit; TEMP=Temp. levels protection; BF=Balanced Function

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

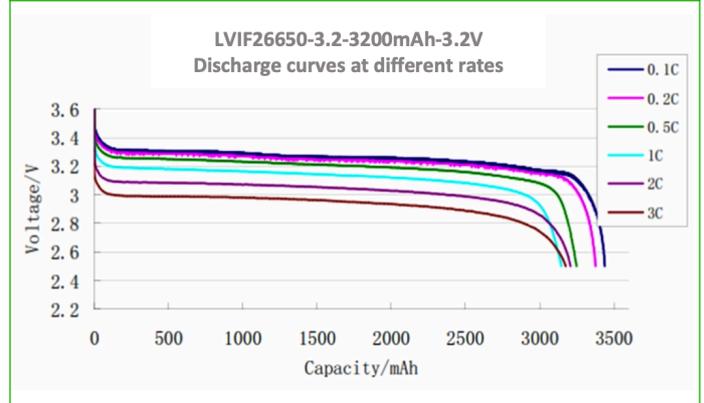


Cell feature Curves at 25°C (77°F)

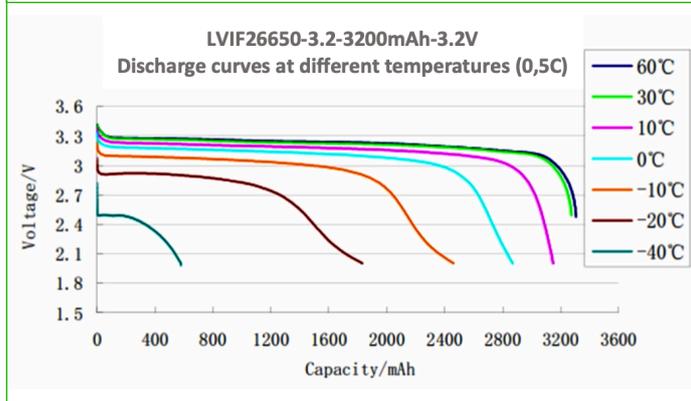
Charge-Discharge characteristic Curve



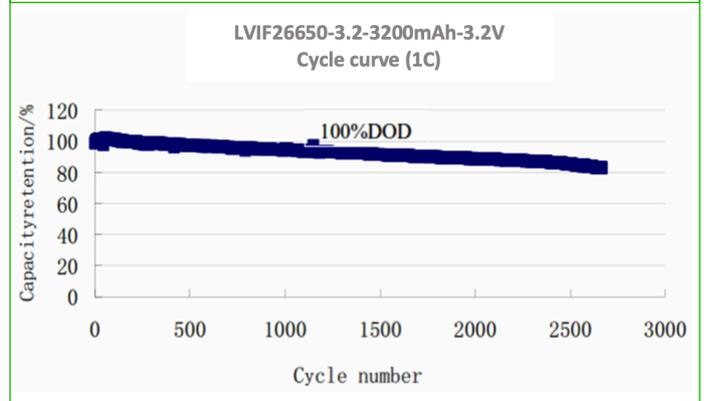
Discharge characteristic Curves



Discharge Curves at different Temperatures



Life characteristics of cyclic use



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