



### 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)

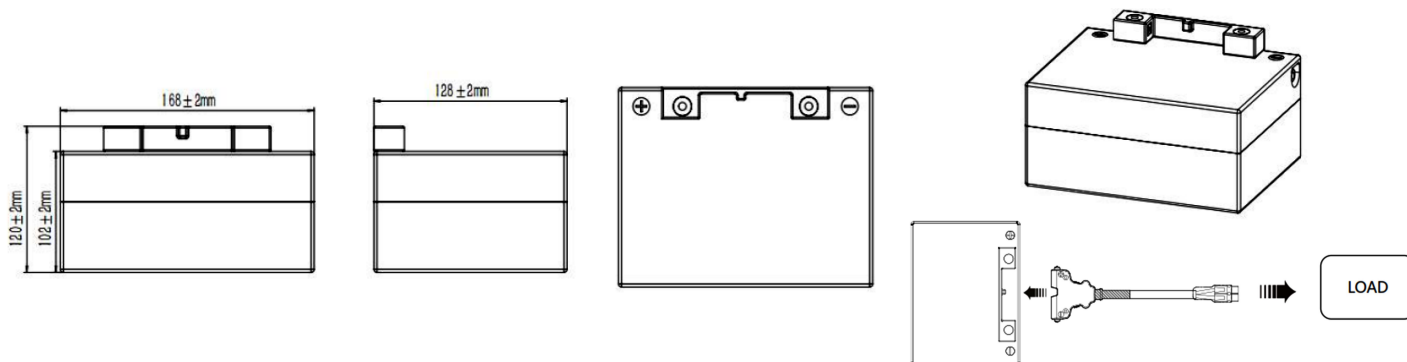
### Dimensions:

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

### Specifications:

<b>Nominal Voltage</b>	12.8V
<b>Nominal Capacity</b>	22.4Ah ±1Ah @0.2C @25°C
<b>Weight</b>	Approx. 2.6Kg ±0.1kg (5.73lbs)
<b>Discharge</b>	
<b>Normal Current</b>	≤ 10A
<b>Max. Contin. Current</b>	22A @5min
<b>Max. Peak Current</b>	30A @5s
<b>Cut-Off Voltage</b>	10.0V ±0.2V
<b>Charge</b>	
<b>Charge Voltage</b>	14.4V ±0.15V
<b>Charge Current</b>	≤ 5A
<b>Charge Mode</b>	CC/CV, use special LFP Charger
<b>Discharge Inner Resistance</b>	≤ 40mΩ
<b>Configuration</b>	04S07P
<b>Operation Temperature Range</b> <sup>1</sup>	Discharge: -20°C~60°C Charge: 0°C~45°C
<b>Storage Temperature Range</b>	0°C~40°C 15°C~25°C (Long term storage) (Capacity 80%)
<b>Humidity Range</b> <sup>1</sup>	Charge/Discharge: RH= 85% <sup>2</sup> Storage: RH= 50% <sup>2</sup>
<b>BP Protection - BMS Features</b> <sup>3</sup>	OVP, UVP, SC, TEMP, BF
<b>Battery Pack Housing</b>	Plastic Case
<b>Cycle</b>	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%)

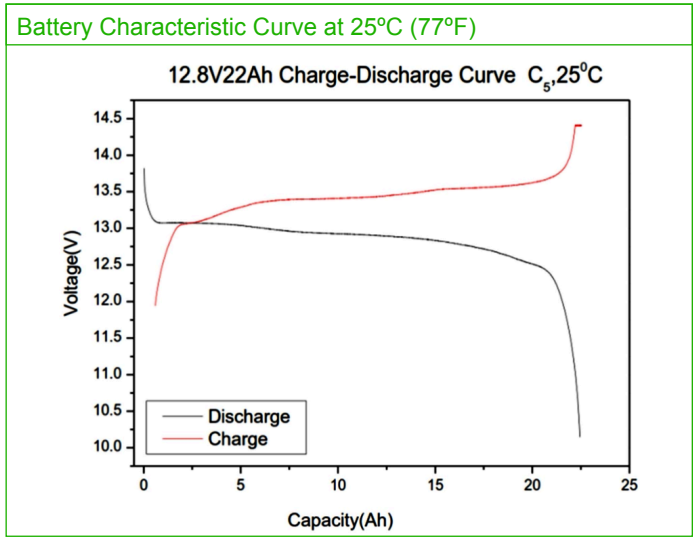
### Technical Drawings:



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

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

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



**Cell feature Curves at 25°C (77°F)**

