



**LIVEN LVIL Series-Li-Ion**

- > High performance, completely maintenance-free, low self-discharge
- > Floating & standby use: up to 10 years
- > 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 220Wh/kg
- > Capacity density: up to 260Ah/kg
- > Suitable for standby power and energy storage power use
- > Long storage time
- > Cycle use: Up to 1000 cycles at 100% DOD

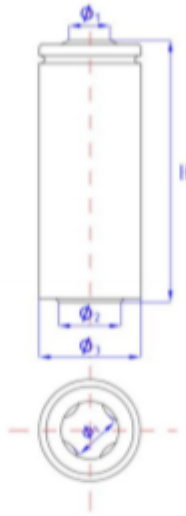
**Application:**

- > Telecommunications
- > Uninterruptable Power Supply (UPS)
- > DC power supply
- > Electric Power System (EPS)
- > Emergency backup power supply
- > Wheelchairs and Scooters
- > Golf trolleys and Golf cart
- > Railway and Marine systems
- > Electric tools
- > Medical equipments

**Specification:**

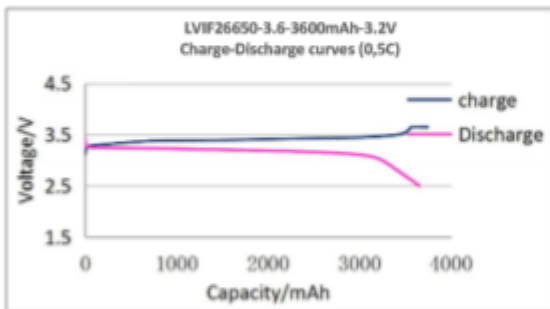
<b>NOMINAL VOLTAGE</b>		3.6 V
<b>NOMINAL CAPACITY (0.5C, 25°C, current value of 3600mAh at 1C)</b>		4500±2mAh
<b>CAPACITY RANGE (0.2C, 25°C)</b>		4450~4650mAh
<b>DISCHARGE</b>	<b>NORMAL CURRENT</b>	≤2.25A
	<b>FAST DISCHARGE CURRENT</b>	4.5A
	<b>MAX CONTINUOUS CURRENT</b>	13.5A (@ 5min)
	<b>MAX PEAK CURRENT</b>	15A (@ 5sec)
	<b>CUT-OFF VOLTAGE</b>	2.75±0.2V
<b>CHARGE</b>	<b>CHARGE VOLTAGE</b>	4.2±0.05V
	<b>CHARGE CURRENT</b>	≤ 4.5A
	<b>CUT-OFF CURRENT</b>	0.01C
	<b>CHARGE MODE</b>	CC/CV, use special Lithium-Ion Charger
<b>INNER RESISTANCE</b>	<b>DISCHARGING INNER RESISTANCE</b>	≤ 30mΩ
<b>OPERATION TEMPERATURE RANGE</b>		<b>CHARGE</b> 0°C~+55°C
<i>(When the environment temperature is higher than 45°C, please pay attention to ventilation and heat rejection)</i>		<b>DISCHARGE</b> -20°C~+60°C
<b>STORAGE TEMPERATURE RANGE (Capacity 80%)</b>		-20°C~ +45°C
<i>(Recommended long term storage temperature is 15~25°C)</i>		
<b>HUMIDITY RANGE</b>		<b>CHARGE-DISCHARGE</b> RH= 85%, When the environment humidity is higher than 85%, please pay attention to protect.
<i>(When the environment temperature is higher than 45°C, please pay attention to ventilation and heat rejection)</i>		<b>STORAGE</b> RH= 50%, Easily oxidized components note sealed.
<b>DIMENSIONS (LxWxH) (mm)</b>		26.15±0.1mm x 26.15±0.1mm x 65.6±0.3mm
<b>WEIGHT (kg)</b>		94.0 ±0.1g
<b>CYCLE</b>		1000 times (100% DOD)
		2000 times (80% DOD)
		3000 times (50% DOD)

**Drawing:**

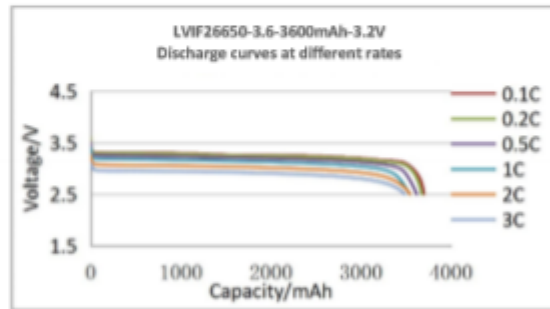


**Cell feature Curves at 25°C (77°F)**

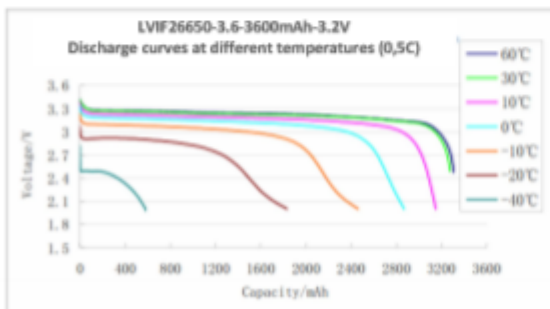
**Charge-Discharge characteristic Curve**



**Discharge characteristic Curves**



**Discharge Curves at different Temperatures**



**Life characteristics of cyclic use**

