



**LIVEN LVIF Solar 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 5000 cycles @25°C.

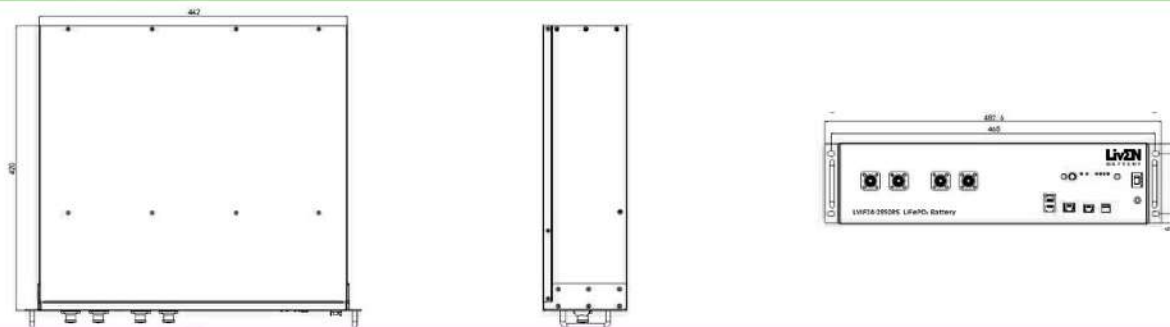
**Applications:**

- Telecommunications
- Uninterrupted Power Supply (UPS)
- DC Power Supply
- Electric Power System (EPS)
- Power Plants FV
- Wind Power Supply

**Dimensions:**

Length	442±3mm (17.40in)
Width	420±3mm (16.54in)
Height	(3U) 120±3mm (4.72in)

**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; COM=Communication Function

**Specifications:**

<b>Nominal Voltage</b>	25.6V
<b>Nominal Capacity</b>	111.0Ah @0.2C @25°C
<b>Weight</b>	Approx. 26.5Kg ±1kg (58.42lbs)
<b>Energy</b>	2,840.0Wh @0.2C @25°C
<b>Usable Energy</b>	2,550.0Wh @0.2C @25°C
<b>Discharge</b>	
<b>Normal Current</b>	55A
<b>Maximum Current</b>	85A
<b>Peak Current</b>	100A @15s
<b>Nominal Float Voltage</b>	25.6V ±0.2V
<b>Cut-Off Voltage</b>	23.0V ±0.2V
<b>Charge</b>	
<b>Charge Voltage Range</b>	28.2~28.5V ±0.2V
<b>Charge Current</b>	≤ 55A
<b>Maximum Current</b>	85A
<b>Peak Current</b>	100A @15s
<b>Charge Mode</b>	CC/CV, use special LiFePO <sub>4</sub> Charger
<b>Operation Temperature Range</b> <sup>1</sup>	
	Discharge: -10°C~50°C Charge: 0°C~50°C
<b>Storage Temperature Range</b>	
	-20°C~60°C 15°C~30°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, COM
<b>Battery Communications</b>	
	RS485, CAN, MOD BUS Protocol (Optional), Other available
<b>Parallel Connection</b>	
<b>N. Modules</b>	≤8 modules (max. in 1 Battery group)
<b>Before Connect</b>	The Voltage difference between each unit should be ≤ 0.3V
<b>After Connect</b>	Current should be less than working Current of any module
<b>Cooling type</b>	Natural Cooling
<b>IP Rating</b>	IP20
<b>Certifications</b>	UN38.3, CE, IEC62619, IEC62040, IEC62477, IEC61000

**Battery Front Interface**



- |     |                 |      |                     |
|-----|-----------------|------|---------------------|
| (1) | Start           | (7)  | ADD                 |
| (2) | Protection      | (8)  | Console             |
| (3) | Alarm           | (9)  | CAN                 |
| (4) | SOC             | (10) | Power Terminals (-) |
| (5) | Power Switch    | (11) | Power Terminals (+) |
| (6) | Grounding Point |      |                     |

**Installation proposal with Brackets**

