



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.

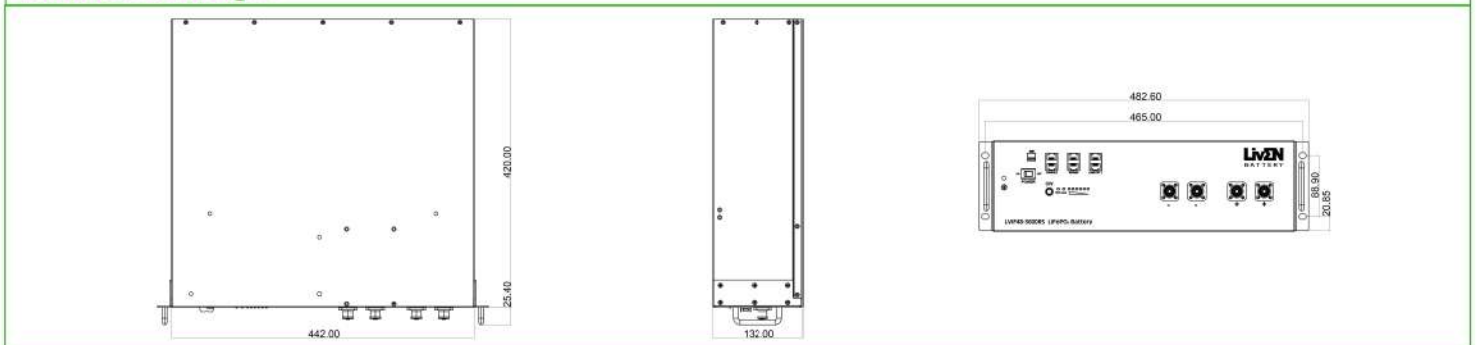
Applications:

- 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) 132±3mm (5.20in)

Technical Drawings:



Specifications:

Nominal Voltage	48.0V
Nominal Capacity	74.0Ah @0.2C @25°C
Weight	Approx. 32Kg ±1kg (70.55lbs)
Energy	3,552.0Wh @0.2C @25°C
Usable Energy	3,200.0Wh @0.2C @25°C
Discharge	
Normal Current	37A
Maximum Current	74A
Peak Current	100A @15s
Nominal Float Voltage	48.0V ±0.2V
Cut-Off Voltage	45.0V ±0.2V
Charge	
Charge Voltage Range	52.5~53.5V ±0.2V
Charge Current	≤ 37A
Maximum Current	74A
Peak Current	100A @15s
Charge Mode	CC/CV, use special LiFePO4 Charger
Operation Temperature Range ¹	Discharge: -10°C~50°C Charge: 0°C~50°C
Storage Temperature Range	-20°C~60°C 15°C~30°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, COM
Battery Communications	RS485, CAN, MOD BUS Protocol (Optional), Other available
Parallel Connection	
N. Modules	≤8 modules (max. in 1 Battery group)
Before Connect	The Voltage difference between each unit should be ≤ 0.3V
After Connect	Current should be less than working Current of any module
Cooling type	Natural Cooling
IP Rating	IP20
Certifications	UN38.3, CE, IEC62619, IEC62040, IEC62477, IEC61000

(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

Battery Front Interface



- | | | | |
|-----|-----------------|------|-----------------------|
| (1) | SOC | (7) | ADD |
| (2) | Alarm | (8) | Dry Contact / Console |
| (3) | Run | (9) | A/B RS485 |
| (4) | Start | (10) | Link Port 0/1 |
| (5) | Power Switch | (11) | Power Terminals (-) |
| (6) | Grounding Point | (12) | Power Terminals (+) |

Installation proposal with Brackets



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