

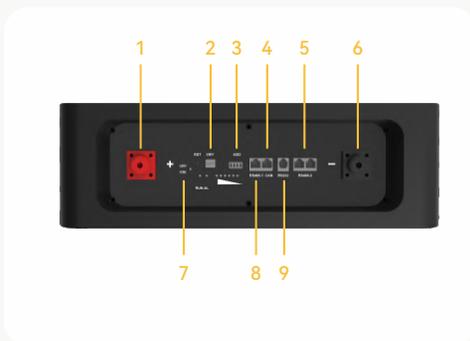
Lithium-ion Battery



FlxWall 2.5 / 5.0-24/5.0-48

The Sunflx FlxWall 2.5/5.0 series is a low-voltage lithium battery designed for residential use, offering excellent performance. Compatible with Sunflx solar inverters, it features a cohesive design that provides a one-stop solution, saving you time and effort.

The battery is flexible for self-consumption and backup, with capacities ranging from 2.5 kWh to 5 kWh, and supports parallel expansion up to 75 kWh. It's an efficient solar storage solution for on-demand energy use.



- | | |
|----------------|----------------|
| 1.P+ Socket | 2. Dry Contact |
| 3.DIP Switch | 4. CAN |
| 5.RS485-2 | 6.P- Socket |
| 7.Power Switch | 8.RS485-1 |
| 9. RS232 | |

- ✓ Brand new A+ battery cell with voltage deviation $\leq 2\text{mV}$
- ◇ 10-year design lifespan with 6000 cycles
- ⚡ Continuous 1C-rate discharge (up to 100A)
- 📱 4.3-inch user-friendly touchscreen
- 🔋 100% Depth of Discharge (DOD) for maximum usable energy
- ⚡ Built-in DC circuit breaker for enhanced safety
- 📶 WiFi & Bluetooth remote monitoring
- 📦 Supports up to 15 units in parallel for capacity expansion
- 📄 Built-in multiple communication protocols, easy compatible with 95% inverter brands

Model	FlxWall 2.5-24	FlxWall 5.0-24	FlxWall 5.0-48
ELECTRICAL			
Nominal Capacity	2.56kWh (100Ah)	5.12kWh (200Ah)	5.12kWh (100Ah)
Cell Technology	LiFePO4 Prismatic Cell		
Nominal Voltage	25.6Vdc		51.2Vdc
Battery Cell	8 Cells in Series	8 Cells in Series 2 Series in Parallel	16 Cells in Series
Operating Voltage	20.8-29.2Vdc		43.2-58.4Vdc
Low Voltage Cut-off Voltage (Default)	23.2Vdc		46.4Vdc
Low Voltage Protection Recovery Value (Default)	24Vdc		48Vdc
High Voltage Cut-off Voltage (Default)	29.2Vdc		58.4Vdc
High Voltage Protection Recovery Value (Default)	27.04Vdc		54.08Vdc
Full Voltage Difference Battery Pack	≤ 20mV		
Life Span	Cycle Times: >6000 (25°C, 0.5C, 80%DOD)		
Depth of Discharge (DOD)	Max.100% DOD (Settable)		
Standard Charging Current	100Amp (1C)		
Standard Discharge Current	100Amp (1C)		
BMS Protection Current	120A (2s); 140A (0.2s)	220A (2s); 240A (0.2s)	120A (2s); 140A (0.2s)
GENERAL			
Dimension (H*W*D)	400*380*160 mm	400*600*160 mm	400*600*160 mm
Weight	30 KG	51 KG	51 KG
Protection Degree	IP20		
Protection Function	Short Circuit Protection; Over/ Under temperature Protection; Over Current Protection; Lower/High Voltage Protection; MOS Temperature Protection; Battery Cell Level Over Charge / Discharge Protection		
Working Environment	Humidity ≤ 95%RH (No Condensation); Altitude: ≤ 4000		
Operating Temperature Range	Charge: 0 °C~+50 °C, Discharge: -20°C~ +60 °C		
Storage Temperature	-10 °C~+50 °C		
Mounting Method	Wall Mounted or Floor Stand		
Cooling Method	Natural Convection		
OTHER			
Display	Touch Screen, LED Indicator		
System Connection	Max. 15 Pcs in Parallel		
Communication Port	RS232, RS485, CAN		
Application	Hybrid / Off Grid		
Compatible Inverters	Refer to Compatible Inverter List (Compatible with Major Inverter Brands)		
Warranty	5 Years		
Certification/Standard	UN 38.3; MSDS; RoHS		