

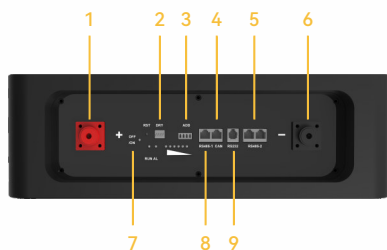
Lithium-ion Battery



FlxStation 20.0/25.0/30.0/32.0

The Sunflx FlxStation 20.0/25.0/30.0/32.0 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 20 kWh to 32 kWh, and supports parallel expansion up to 480 kWh. It's an efficient solar storage solution for on-demand energy use.



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|-----------------|----------------|
| 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 (up to 8000)
- ⚡ Continuous 1C-rate discharge (up to 200A)
- 📱 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	FlxStation 20.0	FlxStation 25.0	FlxStation 30.0	FlxStation 32.0
ELECTRICAL				
Nominal Capacity	20.99kWh (410Ah)	23.55kWh (460Ah)	30.72kWh (600Ah)	32.15kWh (628Ah)
Cell Technology	LiFePO4 Prismatic Cell			
Nominal Voltage	51.2Vdc			
Battery Cell	16 Cells in Series , 2 Series in Parallel			
Operating Voltage	43.2-58.4Vdc			
Low Voltage Cut-off Voltage (Default)	43.2Vdc			
Low Voltage Protection Recovery Value (Default)	48Vdc			
High Voltage Cut-off Voltage (Default)	58.4Vdc			
High Voltage Protection Recovery Value (Default)	54.4Vdc			
Full Voltage Difference Battery Pack	≤ 20mV			
DOD	Max. 100 % DOD (Settable)			
Life Span(Cycle Times)	> 6000 (25°C, 0.5C, 80%DOD)			≥ 8000 (25°C, 0.5C, 80%DOD)
Default Charging Current	100Amp	100Amp	100Amp	100Amp
Max. Charging Current	200Amp	200Amp	200Amp	200Amp
Default Discharge Current	200Amp	200Amp	200Amp	200Amp
Max. Discharge Current	200Amp	200Amp	200Amp	200Amp
BMS Protection Current	220A (2s); 240A (0.2s)	220A (2s); 240A (0.2s)	220A (2s); 240A (0.2s)	220A (2s); 240A (0.2s)
GENERAL				
Dimension (H*W*D)	350*615*820 mm	380*661*825 mm	380*661*825 mm	380*661*825 mm
Weight	170 KG	186 KG	198 KG	205 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	Floor Stand			
Cooling Method	Natural Convection			
OTHER				
Display	4.3 inch Touch Screen, LED Indicator			
System Connection	Max. 15 Pcs in Parallel			
Power Cable	2 AWG*1.5m	2 AWG*1.5m	2 AWG*1.5m	2 AWG*1.5m
Monitoring	Built-in WIFI and Bluetooth			
Communication Port	RS232, RS485, CAN			
Application	Hybrid / Off Grid Solar System			
Compatible Inverters	Refer to Compatible Inverter List (Compatible with Major Inverter Brands)			
Warranty	5 Years			
Certification/Standard	UN 38.3; MSDS; RoHS			