



FYsolar



FY51200 IP65

Residential BESS

Slim Series Type LV

- Auto ID
- Automatically assign any host
- Smart Temperature Control
- Smart parallel technology compatible with batteries with different SOC and voltages



Superior Efficiency
Experience maximum efficiency with up to 90% usable energy.



IP20 Protection Rating
Modular design, natural cooling, indoor use



Flexible Investment Options
Supports up to 32 units in parallel, with a total capacity of up to 326 kWh.



Effortless Installation
Modular design allows for quick and seamless integration.



Exceptional reliability
Our LFP-based battery technology ensures consistently high performance.



Expandable Capacity
Effortlessly combine multiple units to increase energy output as needed.



Enhanced Safety Features
Intelligent temperature control guarantees battery safety and longevity.



Extended Service Life
Optimized cycle life exceeds 6000 cycles for long-lasting reliability.

Technical Specification

Model no	FY51200
Battery Module energy	10.2kWh
Useable Energy	10kWh
Max output power	8kW
Peak Output Power	10kW
Nominal voltage	51.2V
Operating Voltage Range	43.2V-57.6V
Dimension(W/D/H)	600x110x1200mm
Weight	84Kg
Installation	Floor mount , Wall mount
Operating Tempertaure	-10 C~ + 55C
Operating altitiude	0-3,000 m (Derating above 2,000 m)
Environment	InDoor
Relative humidity	5%~95%
Cooling	Natural Convection
Protection rating	IP65
Noise Emission	0 dB
Cycle Life	>6000 (@25C, DoD 90%)
Display	SOC Status indicator LED Indicator
Cell Technology	Lithium iron phosphate (LiFePo4)
Scalability	Max 32 Systems in parallel operation
Communication Ports	CAN / RS485
Warranty	10 Years Standard Warranty