

Smart ESS All-In-One Cabinet iFreezer



All-In-One Design

- Convenient expansion according to needs.
- Reduce user-side capacity expansion costs.

Multi Scenario Applications

- Support multi-scenarios, micro-grid, distributed generation.
- Peak valley arbitrage, flexible standby, grid reactive power compensation etc.

Safe & Reliable

- Independent single battery cluster, no circulation, high safety.
- LFP battery cells comply with the requirements of IEC/UL/GB standards.
- Advanced BMS, multi-point sampling coverage, real-time data feedback.



iFreezer

Category	Item	Technical Parameters
BES	Rated Energy	215kWh
	AC Side Power Rating	100kW
	Depth of Discharge (DOD)	95%
AC On-grid Parameters	Grid-connected cable control	3W+N+PE
	Grid-connected cable system	400VAC 3W+N+PE
	Grid-tied Frequency	50Hz (±2%) /60Hz(±2%)
	Factor	0.9
	Output Harmonics	<3% (Rated power)
AC Off-grid Parameters	Rated output voltage	400 V
	Max AC Current	150A
	Voltage Accuracy	1%
	Frequency Progress	±0.2Hz
	Output Harmonics	≤3% Linear load
	Dynamic Response	20 ms
	Unbalanced Load Capacity	100%
	Overload Capacity	105~110%,<10min, >110%,Stop running
Basic Parameters	Cycle Life	>5000 Times 0.5C(90%DOD,80%EOL)
	Degree of Protection	>IP54
	Cooling Method	Battery cabinet: liquid cooled, power distribution cabinet: air cooled
	Noise	≤70dB
	External Communication Interfaces/Protocols	RJ45/RS485/MODBUS TCP
	Fire Protection System	Gas, smoke, temperature detection + Novec1230 /FK-5112 + frequency conversion exhaust
	Anti-corrosion Rating	C4
	EMS	Integration
	Optional	ATS/STS/MPPT
	Weight	2700Kg
Size (L*W*H)	2500*1250*2000mm	

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