

Energy Storage Integrated Cabinet

The industrial and commercial 232 energy storage cabinet plays an important role in energy storage, peak and valley electricity price regulation, backup power supply, intelligent management, environmental protection and sustainable development, providing more efficient, economical and environmentally friendly energy solutions for industrial and commercial users.

Product Core Highlights



High quality battery cells with long cycle life, excellent performance, good consistency, safe and reliable cycle life ≥ 6000 times



Design lifespan > 10 years



Integrated design, with highly integrated single cabinet PACK, PCS, EMS, and fire protection systems, resulting in high space utilization



Self developed battery management system, connecting batteries to the power grid, and quickly scheduling corresponding tasks



Self developed PCS energy storage inverter and EMS, fully automatic control of energy storage charging operation, automatic tracking of system power changes



Choose the optimal operating strategy to achieve integration of source, network, load, and storage



Product Model	ESS1-100K/232kWh
Rated AC Power(kW)	100
Max. AC Power(kW)	110
Rated grid voltage	3W+N+PE.380
Grid voltage range	± 10%
Rated grid frequency (HZ)	50 ± 5
Grid frequency range	± 2
DC Injection Current	< 05%IN
Overload capacity	1.1
Cell Type	280AH lithium iron phosphate battery
Single Battery Pack Capacity(kWh)	46.59
Number of Battery Pack	5
Relative temperature (non-condensing)	0-95%
Temperature control method	Liquid-cooled (optional air-cooled)
Battery System Capacity(kWh)	232
Run time(h)	2
Battery Life	≥ 6000次
PCS Maximum Efficiency	98.2%
Surge Protection	DC secondary/AC secondary
Dimension D*W*H(mm)	1000*2200*1350
Weight(kg)	2.7T
Mode of Isolation	Not isolation
Parallel and off-grid switching device	Optional
Protection class	IP54
Operating Temperature Range	-20° ~ 55° (>45° reduced operation)
Communications	RS485,LAN
Communication protocols	Modbus