

215/418kWh Energy Storage System

HA-215-418-2



Supports AC800V direct coupled photovoltaics without the need for transformers

This product is specifically optimized for photovoltaic-storage integrated applications, enabling direct parallel coupling with AC800V-compatible photovoltaic inverters to achieve transformer-free integration, significantly reducing system costs and losses.



Comprehensive Safety

- **Proactive Alert** Cell-level monitoring, early warning
- **Multi-Level Protection** Pack, cluster, cabin isolation
- **Fire & Explosion Prevention** Triple fire protection, vent design



High Efficiency

- **High Conversion** System efficiency $\geq 87\%$
- **AI-Powered Scheduling** Optimized energy dispatch
- **Maximized ROI** Peak shaving & other revenue streams



Simple O&M

- **Cloud Diagnosis** Fault identification in seconds
- **Remote Management** Cloud-based monitoring & control
- **24/7 Guardian** Expert team always on watch



Easy Deployment

- **Plug & Play** Pre-installed, powered on arrival
- **Time Saving** Drastically reduces installation time
- **Scalable Design** Modular expansion as needed



Peak Shaving



Arbitrage



Backup Power



Grid Services

Model	HA-215-418-2
Basic Parameters	
Rated Power	215 kW
Battery Capacity	418 kWh
Dimensions (W×D×H)	1420×1350×2350mm
Weight	3.8 T
DC Side Parameters	
Cell Type	LFP 3.2 V / 314 Ah
System Pack Configuration	1P52S * 8
Battery Voltage Range	1165-1497 VDC
AC Side Parameters	
Rated Output Voltage	690/800 (-15% ~ 15%) Vac
Rated Mains Frequency	50/60 Hz
Charge-Discharge Conversion Time	<100 ms
System Parameters	
Cycle Count	8000 ~ 10000 cycle
Full Cabinet Energy Conversion Efficiency	Maximum 90%
Protection Rating	IP66 (battery Pack)/IP54 (equipment compartment)/PCS(IP66)
Operating Temperature	-30°C ~ +55°C
Corrosion Resistance Rating	C4(C5Customisable)
Fire Suppression System	PACK-level precision fire suppression + compartment-level fire suppression (aerosol) + water fire suppression
Overload Capacity	110% load, 10 minutes; 120% load, 1 minute
Permissible Ambient Humidity	0~100% RH
Cooling Method	Intelligent liquid cooling