





## Cabinet Liquid Cooling ESS VE-215 L



### Features

-  **SAFE AND RELIABLE**
  - Approved industry certification of Cell pass test by UL/IEC
  - Multi-level design for fire control
  - Built-in early warning detection system
  - IP 54 rating for enclosure
  - IP 67 rating for battery pack
-  **ENHANCED MONITORING CONTROL**
  - Integrated performance control for local and remote monitoring.
  - Data logging for component level status monitoring.
  - Real-time system operation analysis on terminal screen.
-  **EFFICIENT AND DURABLE**
  - Industry leading LFP cell technology up to 10,000 cycles with high thermal stability
  - Liquid cooling capable for better efficiency and extended battery life cycle
  - Higher energy density, smaller cell temperature difference
-  **SMART AND SCALABLE**
  - Modular design supports ease of installation, expansion, and maintenance
  - ESS self-diagnosis and healing function
  - Supports remote maintenance and upgrades

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Battery Parameters	
Cell Type	LFP 3.2V/280Ah
Configuration	1P240S
Nominal Capacity	215kWh
DOD	100% (Max)
Life Cycle	10000
DC Voltage Range	600V~876V
BMS Communication Interface	RS485, CAN, Ethernet
Standard & Certification	IEC62619, IEC63056, IEC61000, IEC62133, UL1973, UL1642
AC Parameters	
AC Nominal Power	100kVA
THDi	<3% (rated power)
Rated Grid Voltage	400V, 3W+N+PE
Power Factor	>0.99
Operating Grid Frequency	50Hz±5Hz
Grid Frequency Range	± 5 Hz
Isolation Type	Non-isolated
Communication Interface	RS485, Ethernet, CAN
Protection Function	Anti-Islanding protection, AC overcurrent protection, AC surge protection, Insulation impedance detection
Certification	IEC61000-6-2, IEC61000-6-4
Basic Parameters	
Enclosure Dimensions (W*H*D)	1,700*1,900*1,426mm
Weight	~2.7 T
Enclosure IP Rating	IP54
Battery Pack IP Rating	IP66
Operating Temperature	-30°C~+50°C
Relative Humidity	5~95%, non-condensing
Max. Altitude (above sea level)	2000m (>3000m derating)
Battery Cooling Mode	Intelligent forced air cooling + liquid cooling
Fire Suppression System	Aerosol, pack-level FSS, active alert system
Communication Interface	RS485, Ethernet, CAN
Communication Protocol	Modbus TCP, Modbus RTU, CAN2.0

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