VERICOM®

Cabinet Liquid Cooling ESS VE-371L

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

TECHNICAL SHEETS ARE SUBJECT TO CHANGE WITHOUT NOTICE.

Battery Parameters	
Cell Type	LFP 3.2 V/ 302 Ah
Configuration	1P384S
Nominal Capacity	371kWh
DOD	1
Life Cycle	10000
Rated DC Voltage	1228.8 Vdc
DC Voltage Range	1075.2V~1382.4V
BMS Communication Interface	RS485，CAN，Ethernet
AC Parameters	
AC Nominal Power	100kVA
THDi	<3%(rated power)
Rated Grid Voltage	380V，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)	1,450*2,100*1,700mm
Weight	~3.7 T
Enclosure IP Rating	IP54
Battery Pack IP Rating	IP67
Operating Temperature	-30℃~+50℃
Relative Humidity	0 to 95%, non-condensing
Max.Altitude (above sea level)	3,000 m
Battery Cooling Mode	Liquid cooling
Fire Suppression System	Aerosol, pack-level FSS
Communication Interface	RS485, Ethernet, CAN
Communication Protocol	Modbus TCP, Modbus RTU, CAN2.0

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