

Containerized Liquid Cooling ESS VE-1376L



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 66 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 / 280 Ah
Configuration	6P256S
Nominal Capacity	1.376MWh
DOD	1
Life Cycle	10000
DC Voltage Range	640V~934.4V
BMS Communication Interface	RS485, CAN, Ethernet
Standard & Certification	IEC62619, IEC63056, IEC61000, IEC62133, UL1973, UL1642
AC Parameters	
AC Nominal Power	600kVA
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
Certification	IEC61000-6-2, IEC61000-6-4
Basic Parameters	
Enclosure Dimensions	6,058*1,800*2,591mm
Weight	~16T
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)	3000 m
cooling mode	Intelligent forced air cooling + liquid cooling
Fire Suppression System	Aerosol+immersive fire suppression system for battery packs+active alert system
Communication Interface	RS485, Ethernet, CAN
Communication Protocol	Modbus TCP, Modbus RTU, CAN 2.0

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