EVE Energy Cuve 100 - 125kW / 261kWh Liquid-Cooled All-in-One ESS Cabinet

High-Efficiency | *Liquid Cooling* | *Smart Energy Storage* | *Industrial-Grade*

Product Overview

The EVE Energy Cuve 100 is a next-generation 125kW / 261kWh liquid-cooled all-in-one energy storage system engineered for commercial, industrial, and renewable energy applications. It integrates high-performance LiFePO4 cells, a smart Battery Management System (BMS), Power Conversion System (PCS), and advanced liquid thermal management. The compact cabinet design delivers exceptional energy density, high reliability, and long service life under diverse operating conditions.

DC Parameters

Battery Type	LFP (LiFePO4)
Combination Mode	1P260S
Rated Capacity	314Ah
Rated Energy	261kWh
Rated Voltage	832V
Rated Power	125kW
Operating Voltage Range	650V ~ 949V
Charge/Discharge Current	100A / 100A
Cooling Mode	Liquid Cooling
Cycle Life	8000 cycles
Fire Protection System	Perfluorohexanone + Aerosol + Water Fire Suppression
Detector Type	Temperature / Smoke / Water Leak Sensors

AC Parameters

Rated Output Power	125kW
AC Overload Capability	137.5kW
Wiring Method	Three-phase, four-wire
Allowed Grid Voltage	380V / 400V (-15% ~ +15%)
Allowed Grid Frequency	50Hz / 60Hz ±2.5Hz
Total Harmonic Distortion (THD)	<=3% (at full load)

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Power Factor	-0.99 to +1
DC Component in Current	<=0.5%
Charge/Discharge Conversion Time	<100ms
Maximum Conversion Efficiency	>=98%

System Parameters

Operating Environment	-20°C ~ +50°C (Power derating above +45°C)
Size (W×D×H mm)	1000 × 1300 × 2500
Weight	Approx. 2.6T
Protection Level	IP54
Allowable Relative Humidity	0-95%
Allowable Altitude	<=2000m (Power derating above 2000m)
Certification Standard	IEC62619, EN62477-1, IEC63056