



恒领新能源 | Hengling
New Energy

C&I SERIES

LIQUID-COOLED ENERGY STORAGE CONTAINER

HL-L5.0-AC



Fully In-House Developed

Core components developed entirely in-house.

System functions operate with high-efficiency coordination.



String Design

Integrated component high-speed communication.

Black start capability and network formation capability.



Integrated Collaboration

Optimised component coordination management.

Assists in reducing energy consumption by 20%.



Intelligent Operations and Maintenance

Modular design reduces construction time by 40%.

Simplified operation and maintenance with EMS collaborative management support

Technical Specification

HL-L5.0- AC		
DC-SIDE		PARAMETERS
	Cell type	LFP
	System Configuration	416S12P
	Battery Capacity [kWh]	5015
	Battery Voltage [V]	1331.2
	Battery Voltage Range [V]	1164.8~1500
	Battery Charge/Discharge Power	0.5P
AC-SIDE		PARAMETERS
	Rated Power [kW]	215*12
	Rated Grid Voltage[V]	690
	Rated Grid Frequency [Hz]	50/60
	Current Harmonics [%]	<3%
	Power Factor	-1~+1
OTHER		PARAMETERS
	Ingress Protection	IP55
	Corrosion Resistance Rating	C4, C5
	Operating Humidity Range	0%~95%, RH
	Operating Temperature Range[C]	-30~+55
	Maximum Operating Altitude [m]	2000
	Temperature Control Method	Intelligent Liquid Cooling
	Noise level	≤75 db@1m
	Dimensions (W*D*H) [mm]	6058*2438*2896
	Weight [T]	≈43
SAFETY&COMMUNICATION		METHODS
	Fire Protection System	Perfluorohexane +Water Spray
	Communication Interface	Ethernet
External Communication Protocol		Modbus TCP, IEC61850, IEC104
CERTIFICATION		GB/T36726, GB/T34131, GB/T34120, GB/T44026

SOLUTION TOPOLOGY DIAGRAM

