Hisense | 科林电气 KE ELECTRIC

135kW/261kWh

GRID-FORMING LIQUID-COOLED ENERGY STORAGE CABINET



Full-scenario coverage: Suitable for various grid-connected, off-grid and microgrid scenarios, including station area energy storage, large industrial and commercial parks, photovoltaic energy storage charging stations, microgrid scenarios in mountainous areas and islands, etc.

HIGHER EFFICIENCY

- Fully in-house developed PACK/BMS/PCS/EMS/TMS with millisecond-level system coordination, system efficiency ⩾89%;
- Single-cluster architecture eliminates DC circulating current with parallel capacity loss <1% ;
- Fully integrated at factory, on-site deployment less than 2 hours.

ULTIMATE SAFETY

- Dual-stage fire protection (PACK-level + cabinet-level) with physical isolation between electrical and battery zones;
- -30°C to 55°C wide operating temperature range, equipped with -40°C industrial-grade antifreeze;
- PCS IP65 and whole cabinet IP54 protection rating, adapting to all application scenarios.

MAXIMUM FLEXIBILITY

- Smooth capacity expansion ranging from 261kWh to 6MWh; Supports all operation modes: on-grid / off-grid / microgrid / VPP;
- Open API for third-party platform integration;
- VSG mode supported, three-phase unbalanced power output supported, and compatible with 3P/3P+N systems.

SMART MANAGEMENT

- 7 x 24 hour cloud-based collaborative monitoring, remote operations, maintenance and system upgrade;
- ms-level power control response, seamless coordination with microgrid controllers and EMS systems.

Product Parameters

CATEGORY	PARAMETER ITEM	PARAMETER VALUE
PRODUCT MODEL	–	KE-5100-261LC2H
BASIC PARAMETERS	Cell Type	LFP Prismatic Aluminum Shell
	Battery Module Nominal Energy	52kWh
	Battery Module Configuration	1P52S
	Number of Battery Modules	5
	System Available Energy	261kWh
	Nominal Voltage	832Vdc
	Max. Voltage Range	702~936Vdc
	Max. Charge/Discharge Current	188A
	Depth of Discharging	5%~95% DOD
	Life Cycle	⩾8000Cycles (25°C, 0.5C, 70%EOL)
GRID RELATED PARAMETERS	Grid Connection Mode	3/PE, 3/N/PE
	Nominal Input/Output Voltage	3/(N)/PE AC220/380V 3/(N)/PE AC230/400V 3/(N)/PE AC240/415V 3/PE AC480V (Built-in transformer, Optional)
	Nominal Power	135kW
	Max. Output Power	135kVA
	Nominal Frequency	50/60Hz
	Max Grid-tie Output Current	206A
	Max Input Current	206A
	Max.THDi	＜2%(rated output power @on-grid)
	Max.THDu	＜3%(linear load @off-grid)
	Power Factor	-1~+1
STRUCTURE AND ENVIRONMENTAL PARAMETERS	Cabinet Dimension (W×H×D)	(1000±3)*(2325±3)*(1380±3) mm
	Mass	2400±100kg
	Operating Ambient Temperature	-30°C~55°C
	Operating Ambient Humidity	⩽95%RH (Non-Condensing)
	Working Noise	⩽75dB
	Working Altitude	⩽2000m; Derated 2000~4000m
SYSTEM FUNCTION PARAMETERS	Thermal Management Type	Intelligent Liquid Cooling + Dehumidification
	Fire Suppression Type	Aerosol + Temperature & Smoke Detectors
	HMI Method	Cloud Platform by Website or WLAN+APP
	Communication Interface	RS-485, Ethernet, CAN
	Communication Protocol	Modbus, IEC61850, IEC104, MQTT
	IP Code	IP54
	Switch Time between Charging and Discharging	< 100ms
	Max. System Efficiency	⩾89%
	Off-Grid Function	Optional
CERTIFICATIONS	IEC 62619, IEC 63056, IEC 61000, IEC 62477, IEC 62116, IEC 61727, IEC 61683, EN50549, UN38.3, ROHS, NRS 097-2-1:2004, PEA, CEI 0-16, CEI 0-21, ETC.	

SHIJIAZHUANG KELIN ELECTRIC CO.,LTD.

TEL: +86 400-0311-128

EMAIL: info@kechina.com

ADD: Nanjiangbi,Hongqi Street,Luquan District,Shijiazhuang City,Hebei Province,P.R.China