

RelyEZ VentureEdge 800 Liquid-Cooled Commercial and Industrial Integrated Cabinet

YXHK-209K/852314-X



Highly integrated

Modular and easily scalable; cabinet outputs AC directly, with multi-cabinet AC-side paralleling supported.



High Performance

Liquid-cooled high-efficiency thermal management boosts round-trip efficiency by >1%; adopts three-level PCS topology.



High safety

Each battery cluster is precisely controlled without parallel connection on the DC side, resulting in low short-circuit current. The energy storage cabinets are independent of each other, achieving electrical and fire safety isolation. The cell temperature difference is less than 5°C, enhancing safety and cycle life.

Integrated Liquid-Cooled Commercial and Industrial Cabinet Unit



The liquid-cooled commercial and industrial integrated cabinet unit is integrated and can be combined in various parallel configurations.

Battery Cabinet Specifications

Category	Item	Specification
DC-side Parameters (0.5P)	Nominal Capacity	418 kWh
	Rated DC Current	157 A
	Maximum DC Current	179.4 A
	DC Voltage Range	DC 1164.8 V to 1497.6 V
AC Parameters	Rated AC Power	209 kW
	Rated AC Voltage	AC 800 V
	Rated Frequency	50 / 60 Hz
	Rated Current	150.8 A
	Power Factor	0.99 / -1~1
	Overload Capability	110 % continuous (long-term)
Basic Parameters	System Peak Efficiency	90% (Excluding Auxiliary Power)
	Fire-suppressant Agent	Electrical-control Condensed Aerosol
	Auxiliary Power Consumption	3.2 kW
	Cooling Method	The energy storage battery module is liquid-cooled, while the PCS is air-cooled.
	Dimensions (L x W x H)	1600 x 1350 x 2450 mm
	Operating Temperature Range	-30 °C to 55 °C
	Operating Humidity Range	0 - 95%
	Storage Temperature Range	-30 °C to 55 °C
	IP Rating	Overall IP54
	Maximum Altitude	≤ 2000 m / < 3000 m (available, derate)
	Acoustic Noise	≤ 75 dB (1m)