

EFIS-CAB Series

261kWh Liquid Cooling Cabinet for Commercial and Industrial Energy Storage

QCL125KW-261KWH



Investment Savings

- Lithium iron phosphate batteries meet the requirements of IEC, UL, and GB standards.
- An advanced battery safety management system features multi-sampling point coverage and provides real-time data feedback for independent single-cluster batteries, ensuring no circulation and enhanced safety.



Off-Grid Flexibility

- Seamless transition between on-grid and off-grid systems, ensuring backup energy for essential loads.
- This technology supports self-generation, self-consumption, and microgrid applications.



Safe and Reliable

- DC coupling of photovoltaic storage connects to multiple systems.
- Strategies for Operating Photovoltaic Storage Systems for On-Demand Use.



Smart and friendly

- Embedded BMS integrated design, digital system, fast diagnosis.
- Can support linkage between local monitoring and cloud monitoring.

PARAMETERS

ONE-STOP CARBON NEGATIVE PROVIDER
OF ENERGY SOLUTIONS

Product Name		QCL125KW-261KWH
Category	Item	Technical Specification
Battery Parameters	Cell Type	LiFePO ₄
	Cell Specifications	3.2V/314Ah
	Cell Assembly	1P260S
	Nominal Capacity	261.248kWh
	Nominal Voltage	DC 832V
	Battery Voltage Range	DC 650~949V
	Maximum charge current	157A
	Maximum discharge current	157A
	Rated charge/discharge C-rate	0.5C
AC Grid-Connected Parameters	Rated power	125kW
	Maximum power	137.5kW
	Rated current	190A
	Rated AC voltage	380/400 AC(-15%~+15%)
	Grid connection	Three-Phase Four-Wire
	Rated grid frequency	50Hz/60Hz
	Charge/discharge transfer time	<100ms
	Power factor range	-0.99~+0.99
AC Off-Grid Parameters	Rated power	125kW
	Maximum power	125kW
	Rated AC voltage	380/400 AC(-15%~+15%)
	Rated frequency	50Hz/60Hz
System Parameter	Maximum efficiency	>88%
	Cycle life	≥6000
	Protection Degree	IP54
	Pollution degree	Class I
	Corrosion protection class	C4
	Operating temperature range	Discharge: -10°C to +55°C Charge: 0°C to +55°C Power derating above 45°C
	Storage conditions	0°C - 45°C (≤ 3 months) 15°C - 30°C (≤ 6 months) Storage humidity < 85% RH
	Operating altitude	≤2000m
	Cabinet Size	1420*940*2550 mm
	Weight	2500kg
	Battery compartment cooling	Liquid cooling
	Communication	4G

