

EFIS-CAB-L380H Series

2967.5Kwh Liquid Cooling Prefabricated Battery Cabinet

QN2023001/QN2023002



► PUBLIC UTILITY SOLUTIONS



Investment Savings

- LFP battery cell 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.

Specifications

EFIS-CAB-L380H Series

Product model	QN2023001		QN2023002	
Cell System	LFP			
Number of Series and Parallel Connections in a Single Package	1P69S			
Number of Series and Parallel Connections in a Single Cluster	1P414S (6 Packs)			
Number of Cell Clusters (Parallel)	8			
Nominal Voltage	1324.8V			
Voltage Range	1159.2V~1490.4V			
Rated Power	1375kW		700kW	
Rated Capacity	2967.5 kwh		2967.5 kWh	
Short Circuit Current	75kA		70kA	
Charge/Discharge Ratio	0.5C		0.25C	
Container Type	20HC			
Communication Interface	Ethernet/RS485 /CAN			
Communication Protocols	Modbus TCP/Modbus RTU/CAN 2.0			
Auxiliary Power	AC380V/50Hz,3P5W			
Design Reference Standards	GB/T 362 76-2018,UL1973,UL9540,UL9540A,UN38.3,IEC62619,IEC61000,NFPA69,NFPA70, NFPA855, IEC62620			
Auxiliary Backup Power	On-line (0.5h power backup)			
Operating Environment Temperature	-30°C to 55°C			
Altitude	<2000m(2000m~4000m Run at a Reduced Rate)			
Thermal Management	Liquid Cooling + Air Conditioner			
Dimensions (L*W*H)	6058*2438*2896 mm			
Weight	30,000 kg			
Protection Degree	IP55			
Color	RAL9003			
Vibrations	Zone 4			
Noise	≤75 dB @1m			
Fire Protection	Heptafluoropropane gas (or perfluorohexanone) fire extinguishing system Combustible gas detection system			
Emergency Stop in Situ	Equipped			
Remote Emergency Stop	Equipped			

