

AC 372kWh Liquid-Cooling Battery(EU)

SCSCabinet



💡 High security

Using high-safety lithium iron phosphate batteries, battery pack partition safety isolation, built-in module-level fire protection unit, system-level fire protection unit, active safety early warning system, to ensure safe and reliable operation of the system.

💡 Efficient and balanced BMS technology

Using high-efficiency equalization technology to eliminate series loss, the power consumption of BMS sampling chips is the lowest in the industry and has good consistency, reducing the inconsistency between modules.

💡 Efficient thermal management system

Internally integrates a high-efficiency liquid cooling and liquid heating system. After 416 cells are connected in series, the temperature difference of the cells is less than 3°C, which can effectively ensure the consistency of the single cells.

💡 Highly integrated

The whole machine is highly integrated battery system, PCS energy module, AC contactor switching module, EMS energy management system, which can be directly and quickly installed and deployed by end users.

💡 On-off grid switching

The system supports on-grid and off-grid switching. When the grid is powered off, it can be switched from on-grid to off-grid power supply, and supports off-grid load power supply.

💡 Long life cycle

The cycle times of the battery cell is more than 8000 times, and the laser welding process is adopted to ensure that the service life of the system can reach more than 15 years.

💡 Easy installation

Integrated all-in-one cabinet design, standardized product shipments, building block building of the power station system, extremely simplified product installation, and convenient deployment by users.

💡 Convenient operation and maintenance

With a fully modular design, after-sales personnel only need to simply replace the corresponding modules to complete the after-sales work. From local operation and maintenance to cloud operation and maintenance, operation and maintenance are extremely simplified.

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the liquid cooling battery storage cabinet that offers high safety, efficiency, and convenience. Equipped with high-quality phosphate iron lithium battery cells and advanced safety features, it ensures safe and reliable operation. The high-efficiency BMS technology eliminates series losses and reduces module inconsistency, resulting in a longer lifespan of more than 15 years. Additionally, the efficient thermal management system maintains a temperature difference of less than 3°C among cells. With its standardized design and modular structure, it's easy to install and maintain, making it an ideal solution for businesses seeking to optimize their energy usage and reduce costs.

Battery Energy Storage

Single Cell Type	LFP 3.2V/280AH
Module Combination	1P52S
System Combination	8 modules in series
Capacity (kWh)	372.736
Nominal Voltage (Vdc)	1331.2
Voltage Range (Vdc)	1,218.88~1,476.8 (2.93V~3.55V)
Charge/Discharge Current	0.5C
Discharge Depth	90% DoD
Service Life	>8000 cycles@80%DoD
Thermal Management Mode	Liquid cooling technology
Thermal runaway management	Aerosol Extinguishing or PFH

AC Output

Rated AC Output Power(kW)	200
Max. AC Output Power(kVA)	220
Rated Output Boltage(Vac)	690
Output Voltage Range	-15% ~ +10%(settable)
Grid Frequency Range(Hz)	50/60
Max. Output Current(A)	185.2
Power Factor	>0.99(at rated power)
Adjustable Power Factor	1(leading)~1(lagging)
THDi	<3%(at rated power)
Overloading Capability	110%

*Supports off-grid use, additional transformers need to be configured when off-grid.

System Characteristic

PCS Cooling	Forced Air Cooling
PCS Topology	Non-isolation
Communication Interface	CAN, RS485, Wi-Fi, LTE
Warranty	3 years free, paid from the 4th to the 15th year
Certifications	IEC62619/UN38.3/IEC62619/UN38.3/IEC/EN 62477-1, IEC/EN 61000-6-2, IEC/EN 61000-6-4

General Parameters

Dimensions (W*D*H)	1510*1450*2350mm / 59*57*93in
Total Weight	4100kg / 9039lb
Operation Altitude	2000m / 6561ft
Noise Level @1m	<75 dB(A)
IP Rating	IP54
Operating Temperature	-20°C to 55°C
Operating Humidity (RH)	0 to 95%
	-20°C to 30°C
Storage Conditions	Up to 95% RH,non-condensing State of Energy (SoE): 50% initial

