

215.04 kWh Liquid-Cooled Battery Cabinet

Battery Packs + BMS / BMU + Liquid Cooling

A high-voltage LFP battery subsystem engineered for commercial and industrial energy-storage integration. This customer version covers only the supplied battery packs, battery-management equipment and liquid-cooling system.

Battery-only delivery scope.
External power-conversion and site-control equipment are not included.



215.04 kWh Rated battery energy	1P240S System configuration	768 Vdc Nominal voltage	280 Ah Nominal capacity	≤ 0.5P Charge / discharge rate
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Battery system	
Cell chemistry	LFP 3.2 V / 280 Ah
Pack arrangement	4 × 1P60S, 53.76 kWh each
Operating voltage	672-864 Vdc
Temperature sensing	Cells + busbars
Pack protection	IP66

Control & thermal management	
Battery monitoring	Cell voltage and temperature
Communication	CAN
Balancing	Passive balancing
Cooling method	Liquid cooling
Cooling capacity	5.6 kW at 15°C / 35°C condition

215.04 kWh Liquid-Cooled Battery Cabinet

Battery subsystem technical data

Four liquid-cooled LFP battery packs, coordinated by a BMS / BMU architecture and dedicated liquid-cooling unit.



System-level battery parameters

Parameter	Specification	Parameter	Specification
Cell type	LFP 3.2 V / 280 Ah	Rated energy	215.04 kWh
System configuration	1P240S	Nominal voltage	768 Vdc
Operating voltage	672-864 Vdc	Nominal capacity	280 Ah
Charge / discharge rate	≤ 0.5P	Temperature detection	Cell + busbar

Per-pack parameters

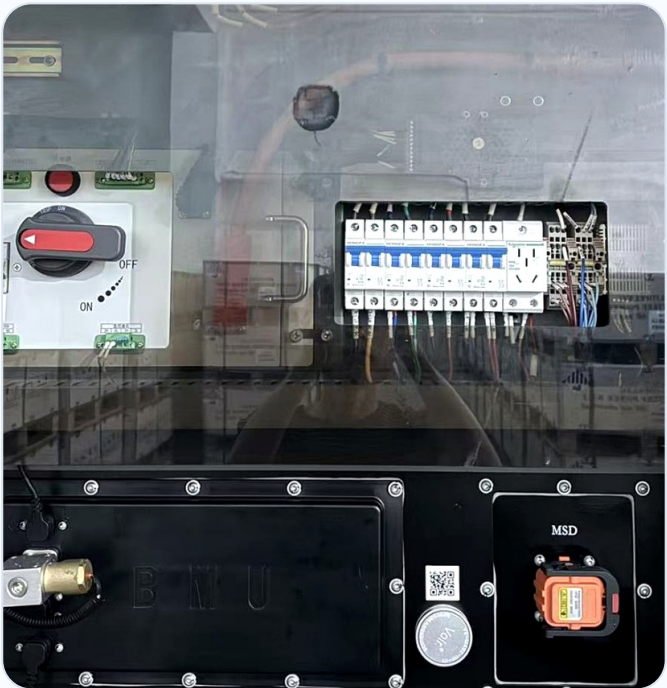
Configuration	1P60S
Rated energy	53.76 kWh
Rated voltage	192 Vdc
Voltage range	168-216 Vdc
Cell count	60
Max. continuous current	160 A for 1 min
Cooling	Liquid cooling
Communication	CAN
Protection	IP66

Per-pack mechanical & environmental

Dimensions	810 × 1152 × 243.4 mm
Weight	330 ± 10 kg
Charge temperature	0 to +55°C
Discharge temperature	-20 to +55°C
Storage temperature	-30 to +60°C
Recommended operating	21 ± 3°C average
Auxiliary control voltage	20-26 Vdc
Control power	2 W
Referenced tests	UN38.3; UL9540A (V3)

BMS / BMU & high-voltage control

Discharge operating temperature	-20 to +55°C
Charge operating temperature	0 to +55°C
Storage temperature	-30 to +60°C
Cell voltage accuracy	±5 mV at 0 to +60°C; ±10 mV outside that range stated in source
Total voltage range	0-1500 Vdc
Current accuracy	±1% FSR
Current detection range	-350 to +350 A (project dependent)
Monitoring	Cell voltage, temperature, pack voltage, current, SOC / SOH, alarms
Communication	CAN



Liquid-cooling system

Rated cooling capacity	5.6 kW (15°C water / 35°C ambient); 5.0 kW (15°C / 45°C)
Heating power	2 kW
Rated flow	40 L/min
Rated / maximum pressure	1.6 / 2.1 bar
Liquid setpoint range	15-45°C
Temperature control accuracy	±1°C
Ambient operating temperature	-30 to +55°C
Coolant	Pure water or ≤50% ethylene-glycol solution, pH 6.0-9.0
Communication	CAN
Protection	IP55



Delivery boundary

Included: 4 liquid-cooled battery packs, BMU devices, battery-management and high-voltage control equipment, and liquid-cooling system. External conversion, site-level control, distribution and other project equipment follow the approved quotation and bill of materials.

Cabinet-level dimensions, total assembled weight and final connection interfaces must be confirmed by the approved project drawing, packing list and nameplate. Values from the original integrated-system manual are not automatically applied to the battery-only configuration.

215.04 kWh Battery-Only Cabinet

Product presentation · 产品展示

The customer-delivery configuration contains the battery packs, battery-management equipment and liquid-cooling system.

客户交付配置仅包含液冷电池包、电池管理设备及液冷系统。



01 · BATTERY PACKS

4 × 53.76 kWh liquid-cooled LFP packs, 1P60S each.

4个53.76kWh液冷磷酸铁锂电池包，每包1P60S。

02 · BMS / BMU

Cell voltage and temperature monitoring, pack control, protection, alarms and CAN communication.

单体电压与温度监测、电池包控制、保护、告警及CAN通讯。

03 · LIQUID COOLING

Cooling, low-temperature preheating, flow and temperature control for the battery system.

为电池系统提供散热、低温预热、流量与液温控制。



Not part of this delivery: external power-conversion, site-control and distribution equipment.
不属于本次交付：外部功率转换、站级控制及配电设备。

Powerful Battery Capacity. Purpose-Built Thermal Control.

215.04 kWh Liquid-Cooled Battery Cabinet

A complete high-voltage battery subsystem built around LFP battery packs, intelligent battery management and dedicated liquid cooling.



215.04 kWh

Rated energy

LFP

3.2 V / 280 Ah cells

BMS / BMU

Monitoring & protection

40 L/min

Rated coolant flow

CAN

System communication

SAFE BATTERY ARCHITECTURE

Four liquid-cooled packs with per-pack BMU, passive balancing and high-voltage control.

REAL-TIME BATTERY DATA

Cell voltage, temperature, pack voltage, current, SOC / SOH and alarms through the battery-management interface.

STABLE TEMPERATURE

Dedicated cooling and low-temperature preheating support consistent battery performance.

Battery-only customer configuration: battery packs + battery-management equipment + liquid-cooling system.

Engineered Around the Battery.

215.04 kWh · 768 Vdc · Liquid-Cooled
LFP

High-density battery storage with intelligent monitoring,
pack-level protection and precision thermal management.



1P240S

Battery system

672-864 Vdc

Operating range

280 Ah

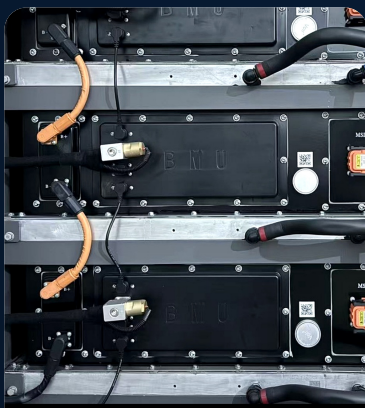
Capacity

IP66

Battery pack

±1°C

Liquid control accuracy



Four battery packs



BMS / high-voltage control

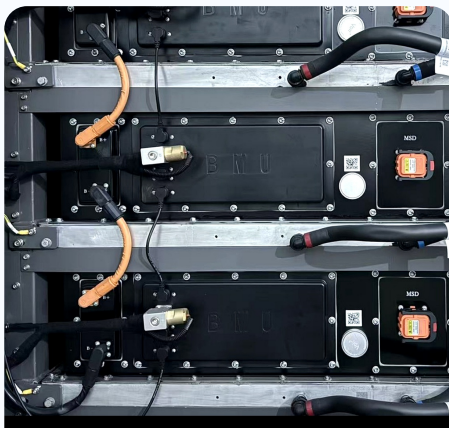
DELIVERED CORE

- Liquid-cooled LFP battery packs
- BMU and battery-management control
- High-voltage battery control
- Dedicated liquid-cooling unit
- CAN communication interfaces

What the Customer Receives

215.04 kWh Liquid-Cooled Battery Cabinet

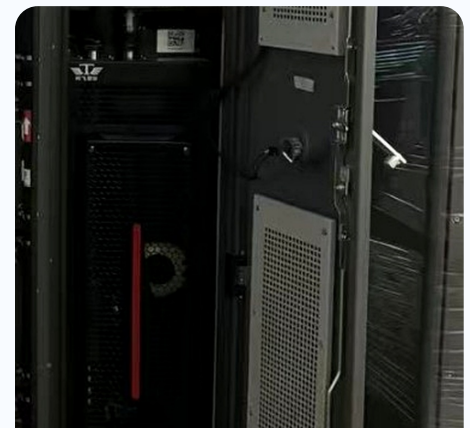
A clear, component-level delivery scope for quotation, contract attachment and technical handover.



01 · 4 × Liquid-Cooled Battery Packs



02 · BMS / BMU & HV Battery Control



03 · Liquid-Cooling System

INCLUDED

- 215.04 kWh LFP battery system
- 4 × 53.76 kWh liquid-cooled battery packs
- BMU devices and battery-management equipment
- High-voltage battery control
- Liquid-cooling equipment and battery-side coolant circuit
- Relevant CAN interfaces

PROJECT-SPECIFIC / NOT INCLUDED

- External power-conversion equipment
- Site-level control and distribution equipment
- Project cabling outside the cabinet
- External protection and civil works
- Any item not stated in the approved quotation and BOM