



EnerC+

Containerized Liquid-Cooling Battery System

| Testing and certification

Basic Parameters

Module configuration	5P*2P52S*8	
Cell capacity	280Ah	306Ah
Rated voltage	1,331.2V	
Rated energy	3.72MWh	4.07MWh
Product weight	35 T	36T
IP Level	IP55	
Dimension (L*W*H)	6058mm*2438mm*2896mm	



IEC 62619



UL 1973



UL 9540A



IEC 62477-1



High level of safety



Long service life



High integration




- LFP batteries with high thermal stability
- Protection level of IP55 to meet the requirements of outdoor applications
- Resistance up to C5 corrosion level, with 20-year reliability
- Prevention-oriented fire protection strategy, with a separate fire protection system
- **Support explosion-proof fan, Optional dry pipe**
- **Available for integration with CATL's advanced technologies (e.g. optional cell with super-long cycling up to 12,000 cycles)**
- Integrated high-efficiency liquid-cooling system, with the temperature difference in the container limited to 5°C
- Modular design for the 1,500V system
- Separate arrangement of electrical room and battery room for convenient maintenance
- Non-walk-in/modular design with high integration, saving the floor space by 50%
- Prefabricated installation, reducing on-site installation costs and commissioning time

Product Specification Battery Cell

306 Ah

3th gen cells for industrial and commercial, and renewable electricity generation applications



Capacity [Ah]	306	
Charge/discharge rate [P]	0.5	
Cycle life [25°C, @80%SOH, 70%SOH]	7,500	10,000
Dimensions [L*W*H][mm]	173.9*71.7*207.2	
<div><div> IEC 62619</div><div> UL 1973</div><div> UL 9540A</div><div>UN38.3 UN 38.3</div></div>		

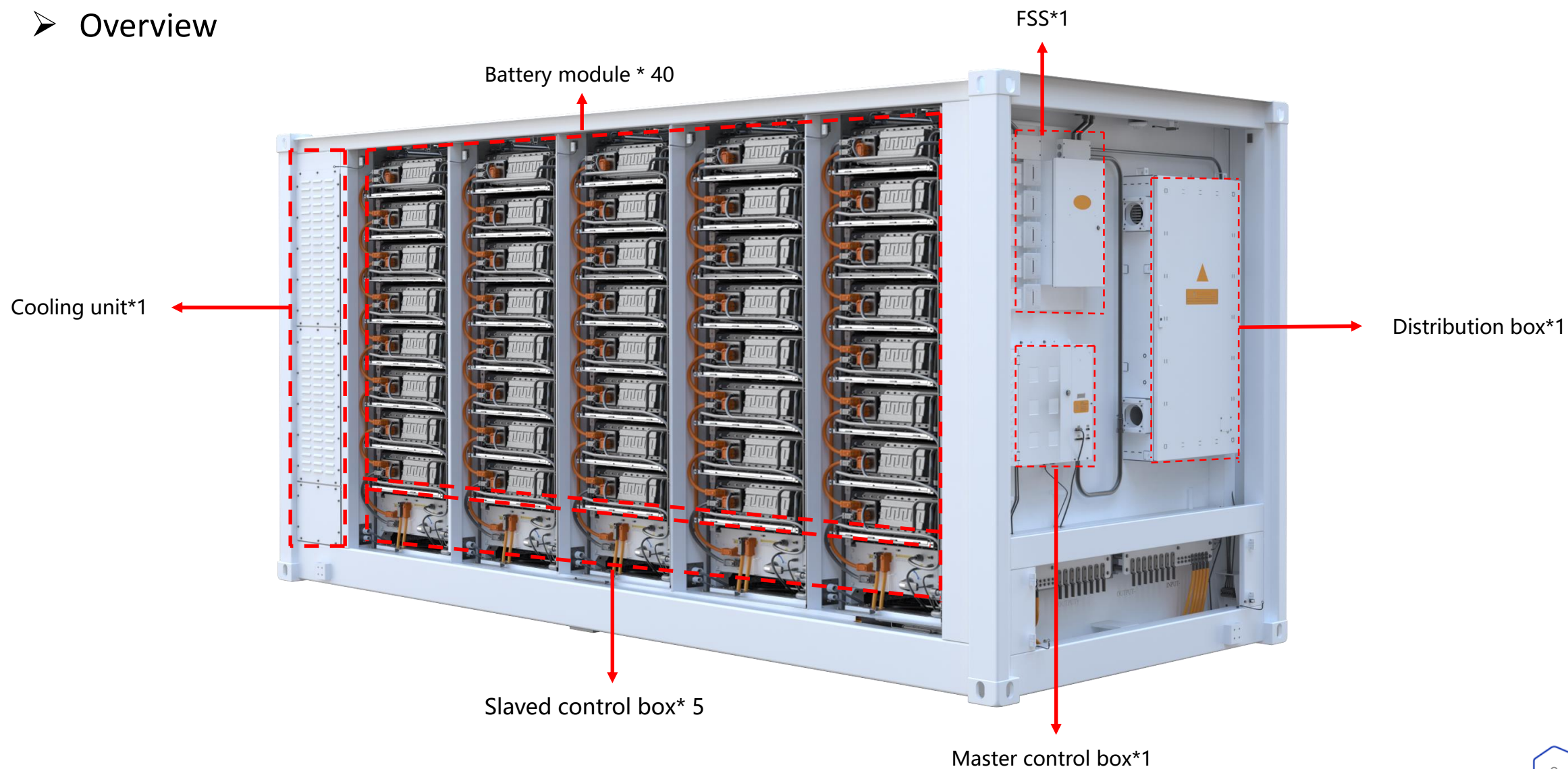
Product Specification Battery Container



Item	Specification
Configuration	10P416S
Rated Energy	4073.47kWh
Rated Voltage	1331.2VDC
Voltage Range	1164.8V to 1497.6V
Dimension	6058mm(W)x2438mm(D)x2896mm(H)
IP Rating	IP55
Weight	~36t
Operation Temperature Range	-25℃ to 55℃
Application Altitude	≤2000m(>2000m need to be derated)
Cooling	Liquid: 50% Ethylene glycol aqueous solution
Humidity	<95%, No condensing
Charging/Discharging Power	2036.73kW↓
Color	RAL7042
Auxiliary power supply	Voltage Range: 400(±10%Vac),3AC+N+PE,50/60Hz
	Voltage Range: 230(±10%Vac), L+N+PE,50/60Hz
	Maximum Power: 37.5kW @25℃ @0.25P
Enclosure Coating	ISO 12944, C4
Communication protocol	CAN, RS485, TCP/IP
Grounding	Grounding copper bar
Installation	Concrete: anchor bolt

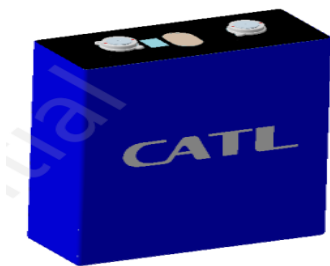
Product Specification Battery Container

➤ Overview



Product Specification Battery Container

➤ Specification:



Item	Cell-306Ah	Module	Container
Configuration	/	2P52S	10P416S
Dimension	173.9(W)*71.7(D)*207.2(H)mm	830.0(W)*2206.5(D)*250.0(H)mm	2438 (W)*6058(D)*2896(H)mm
Weight	5.50±0.30kg	~640±5kg	~36000kg
Rated Voltage	3.2V	166.4V	1331.2V
Voltage Range	2.5 ~ 3.65V	145.6 ~ 187.2V	1164.8 ~ 1497.2V
Rated Energy	0.979kWh	101.837kWh	4.073MWh