

iHouse 20ft- 5.6MWh

0.25C/0.25P Liquid Cooling Battery Container



High Level of Safety

- LFP batteries with high thermal stability
- 3-level of safety and 4-level FES strategy

Long Service Life

- CATL's advanced 530Ah cell
- Integrated high-efficiency liquid-cooling system

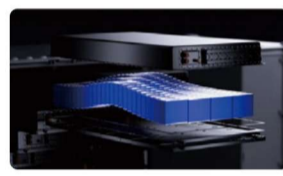
High Integration

- Integrated two UPS system
- Modular design for the 1,500V system
- Pre-assembly installation, reducing on-site installation costs and commissioning time

Higher energy density, smaller floor print



CATL LFP cells
405Wh/L
Ultra-high energy density



35% ↓
Floor print

Applicable to all climate scenarios



IP55 protection level
C5 anti-corrosion level
The safe and reliable operation of the entire system for 20 years.

Product Model	iHouse 5.6MWh	
DC Side Data		
P-Rate	0.25C/0.25P	
Cell		
Cell Type	LFP	
Cell Capacity	CATL 530Ah	
Cell Voltage Range	2.5-3.65V	
Cell Rated Energy	1696Wh	
System		
Configuration	4P(2P416S)	
Rated Energy	5644.29kWh	
Rated Voltage	1331.2VDC	
Voltage Range	1040 - 1500VDC	
Rated Charging Current	1060A	
Maximum Charging Current	1357A	
Rated Charging Power	1411.07kW	
Rated Discharging Current	1060A	
Maximum Discharging Current	1357A	
Rated Discharging Power	1411.07kW	
Auxiliary Power & Communication		
P-Rate	0.25C/0.25P	
Auxiliary Power 1	Voltage Range	3AC+N+PE 380V~480V ±10%, 50/60HZ
	Power	Max. 31.01kW
	Inrush Current	≤65A, <5S
Auxiliary Power 2	Voltage Range	1AC230(L+N) or 2AC(380-480)
	Power	Max. 0.8kW (Continuous)
	Inrush Current	5A
UPS	Time DC24V. 20min	
Communication Protocol	CAN, Modbus/TCP	
Mechanical Data		
Size	2896mm(H)x2438mm(D)x6058mm(W)	
Weight	~45t	
IP Level	IP55 (Battery room)	
	IPX5 (Electrical room)	
	IPX5(Cooling unit)	
Environment Condition		
Charge Temperature Range	0°C...+55 °C	
Discharge Temperature Range	-25°C...+55°C	
Storage Temperature Range	-30°C...+60°C	
Application Altitude	≤4000m (no derating)	
Relative Humidity	0 ~ 95 % (non-condensing)	
Cooling Mode	Liquid Cooling	
Degree of Anti-corrosion of Battery Unit	C5	
Seismic Level	IEEE 693-2018 Moderate design level	
Standards & Certificates		
Cell	UN38.3	
	UL1973	
	IEC62619	
	UL9540A	
	UL1973	
Container	NFPA855	
	UL9540A	
	NFPA69	
	IEC 62477	
	IEC 62619	
	IEC 62933-5-2	
	IEC 61000-6-2	
	IEC 61000-6-2/4	



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