

# iHouse 20ft- 3.79MWh

## 1C/1P 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 285Ah cell
- Integrated high-efficiency liquid-cooling system

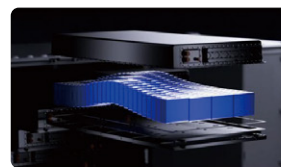
### High Integration

- 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  
353Wh/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 3.79MWh	
Battery		
P-Rate	1C/1P	
Cell		
Cell Capacity	CATL 285Ah	
Configuration	2x5P416S	
Rated Energy	3793.92kWh	
Rated Voltage	1331.2VDC	
Voltage Range	1040...1500VDC	
System		
Charging Current (1P)	Rated	1425Ax2
	Maximum	1700Ax2 for 1 minute
Charging Power (1P)	Rated	3793.92kW
	Rated	1425Ax2
Discharging Current (1P)	Rated	1700Ax2 for 1 minute
	Rated	3793.92kW
Auxiliary power supply (1P)	Voltage Range	3AC 380...480V/50/60Hz
	Power	Max. 62 kW (Including BMS & Chiller consumption)
Operating Ambient Temperature	Charge	-25°C...+55°C
	Discharge	-25°C...+55°C
Environment Condition	Storage Temperature	-30°C...+60°C
	Application Altitude	≤4000m (derating over 2000 meters)
General Parameters		
Size	2896mm(H)x2462mm(W)x6058mm(D)	
Color	RAL7035	
Weight	~36t	
IP Level	IP55/NEMA 3R (Battery room)	
	IP67 (Battery module)	
	IP66 (Sub control box)	
	IP55 (Electrical room)	
	IP56(Cooling unit)	
Degree of Anti-corrosion of Battery Unit	C5	
Cooling Mode	Liquid Cooling	
Communication Protocol	CAN, RS485, TCP/IP	
Fiber Port	Single Mode, ST Connection	
Communication Connection	Fast plug	
HV Power Connection	Cable lug: M12	
	Quantity: Split 2 DC busbar /5	
	Connection per busbar	
Aux Power Connection	Terminal	
Coolant	50% Ethylene glycol aqueous solution	
Fulfill Standard		
Cell	UN38.3	
	UL1973	
	IEC62619	
	UL9540A	
Container	IEC62477	
	IEC62619	
	IEC 62933-5-2	
	IEC63056	
	UL1973	
	UL9540A	
	IEC61000-2-4/ IEC 61000-2-6	



DOWELL



linkedin



YouTube

Dowell Technology Co., Ltd  
www.dowellelectronic.com  
marketing@dowellelectronic.com