

iHouse 20ft – B Series

1P/1C BATTERY STORAGE SYSTEM



✓ 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 280Ah cell
- Integrated high-efficiency liquid-cooling system

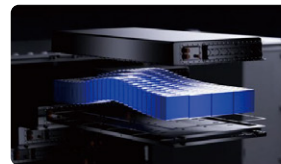
📦 High Integration

- 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
259.7kWh/m²
Ultra-high energy density



35% ↓
Floor print

Applicable to all climate scenarios



- 25°C~55 °C
Charge/Discharge temperature



- 30°C~60 °C
Storage Temperature

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

Product Model	iHouse 20ft-B Series
DC Side Data	
P-Rate	1P
Cell Capacity	280Ah
Cell Voltage range	2.5-3.65V
Cell Rated Energy	896Wh
Configuration	5P2P416S
Rated Energy	3720kWh
Rated Voltage	1331.2VDC
Voltage Range	1040 ~ 1500VDC
Rated Charge/Discharge Power	1860kW
Auxiliary Power & Communication Data	
P-Rate	1P
Relative Humidity	0~ 95 % (non-condensing)
Degree of Anti-corrosion of Battery Unit	C4, (optional C5)
Seismic Level	IEEE 693-2018 Moderate design level
Voltage Range	3AC+N+PE 380V~480V ±10% , 50/60Hz
Power	Max. 31.01kW
Inrush Current	≤65A, < 5S
Voltage Range	1AC230(L+N) or 2AC(380-480)
Power	Max. 0.8kW (Continuous)
Inrush Current	5A
Capacity	DC24V. 7Ah capacity.@25°C
Communication Protocol	CAN, Modbus/TCP
Mechanical Data	
Size	2896mm(H)*2438mm(D)*6058mm(W)
Weight	~35.2t
IP Level	IP55
Environment condition	
Charge Temperature Range	- 25°C~55 °C
Discharge Temperature Range	- 25°C~55 °C
Storage Temperature Range	- 30°C~60 °C
Application Altitude	≤2000m (no derating)



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