

# 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/m<sup>2</sup>

Ultra-high energy density



35% ↓

Floor print

## Applicable to all climate scenarios



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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Dowell Technology Co., Ltd  
[www.dowellelectronic.eu](http://www.dowellelectronic.eu)  
[sales@dowellelectronic.eu](mailto:sales@dowellelectronic.eu)