

iHouse 20ft - 1MW/2.15MWh

SEMI-SOLID STATE ENERGY STORAGE SYSTEM



Enhanced Safety

- Semi solid state technology minimizes risks like overheating and leakage
- Ensuring safer operations across a variety of applications



Long Service Life

- Advanced 280Ah Semi solid state cell
- Integrated high-efficiency liquid-cooling system



High Integration

- Integrated PCS, BATTERY SYSTEM, TMS, FES into one container
- Pre-assembly installation, reducing on-site installation costs and commissioning time



Higher Energy Density, Smaller Floor Print



Semi-solid state cell
165kWh/kg
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 20 ft- C Series
DC Side Data	
Cell Type	Semi-Solid State
Cell Capacity	280Ah
Rack Energy	215kWh
Rack Configuration	1P240S
System Configuration	5P2P240S
Rated Energy	2.15MWh
Rated Voltage	768VDC
Voltage Range	672~ 876VDC
Rated Charge/Discharge Power	1860kW
AC Side Data	
Rated Voltage (VAC)	400
Rated Power	1MW
Grid voltage range	±15%
Rated grid frequency	50/60HZ
Grid frequency range	±2.5Hz
Overload Capacity	1.1 times rated power 10min
On-Grid power factor	-1(lead)~1(lag)
THD Rate	<3(at rated power)
TMS	Battery: Liquid cooling, AC: Air cooling.
Fire Protection System	Aerosols
Communication Protocol	CAN, Modbus/TCP
Size	2896mm(H)*2438mm(D)*6058mm(W)
Weight	~35.2t
IP Level	IP55
Environment condition	
Charge Temperature Range	- 20°C~55 °C
Discharge Temperature Range	- 20°C~55 °C
Storage Temperature Range	- 30°C~60 °C
Corrosion Resistance	C3 (C4/C5 Option)



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