

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)	



DOWELL



linkedin



YouTube

Dowell Technology Co., Ltd
www.dowellelectronice.eu
sales@dowellelectronice.eu