

iHouse 20ft-5MWh

0.5C/0.5P Liquid Cooling Battery Container



Safe & Reliable

- Liquid cooling method for high thermal stability
- Multi-stage, active fire protection system, compliant with NFPA 855
- Equipped with high-safety 314Ah LFP batteries from top-tier brands
- Dedicated battery monitoring and protection system
- Complete product certification to meet different requirements of multiple countries

Low LCoS (Levelised Cost of Storage)

- Outstanding thermal management improves energy throughput by ensuring optimal operating temperature
- Highly integrated: includes thermal management system, fire protection system, BMS, and more
- Supports both back-to-back and side-by-side installations

Product Model	iHouse 5.016MWh
GENERAL	
Configuration	6x2P416S
Cooling Method	Liquid Cooling
BMS Communication	CAN, RS485, Ethernet
Gravimetric ED	≥ 125Wh/kg
Volumetric ED	≥ 117Wh/L
Application Altitude	≤ 4000m
ELECTRICAL	
Nominal Voltage	1331.2V
Operating Voltage	1080V-1500V
Nominal Energy	5016kWh
Nominal SOC at Delivery	27%
Nominal Charge/Discharge Rate	0.5C/0.5P
Round Trip Efficiency	≥94%
MECHANICAL	
Dimensions (L x W x H)	6058 x 2438 x 2896mm
Maximum Weight	40000kg
Protection Level	IP55
TEMPERATURE RANGE	
Operating	-30 °C - 55 °C
Storing (Recommended)	-20 °C - 35 °C
PRODUCT CERTIFICATIONS AND COMPLIANCE	
Certificates, Report and Compliance	IEC 62619, IEC 62477, IEC 63056, IEC 61000,UL 1973, UL 9540A, NFPA 855
Safe Transportation	UN 38.3
ENVIRONMENTAL	
Compliance	RoHS, REACH, Cobalt free
Battery Regulation (EU)	2023/1542



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