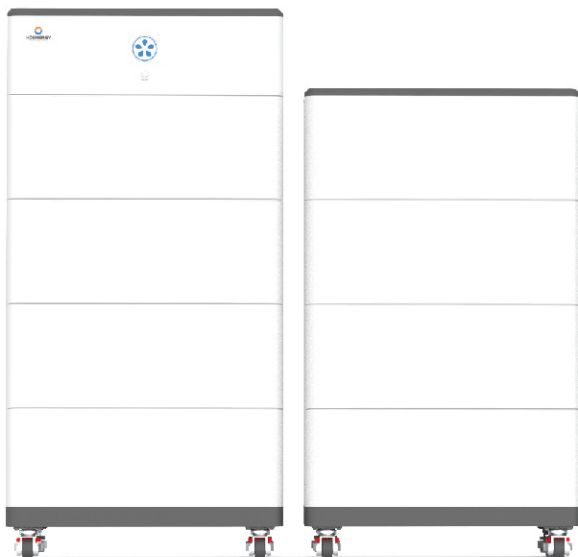


High-voltage Battery

RH Series

iBAT-R-5.12H



Safe & Reliable

LiFePO4 prismatic battery cell , high safety;
Secured by integrated superior vehicle-level BMS.



Flexible Applications

Each battery 5.12kWh, scalable to 61.44 kWh;
Applicable to 1 & 3 phase HV hybrid inverters.



High Performance

High power emergency-backup when outage;
IP65 for both indoor and outdoor installation.



Easy Installation

Compact and light, quick installation and configuration;
Prefabricated cables and connectors for plug and play.

Data Sheet

Model No.	iBAT-R-5.12H
HV Box Data	
HV Box Model	iHCU-100P
HV Box Dimension (W×D×H)	678×310×195 mm
HV Box Weight	16.6kg
Battery Data	
Battery Type	LiFePO4
Battery Cell Capacity	100Ah
Single Battery Capacity	5.12 kWh
Single Battery Dimension (W×D×H)	678×310×251 mm
Single Battery Weight	51.5 kg
System Data	
Battery Quantity	3~12 pcs
Battery Capacity Range	15.36~61.44 kWh
Rated Voltage Range	153.6~614.4 V
Working Voltage Range	135V~681V
Depth of Discharge	93%
Charge&Discharge Efficiency	>95%
Residual Battery Accuracy	< 5%
Charge Temperature	-10~0°C ^[3] , 0~55°C
Discharge Temperature	-20~55°C
Continuous Charge&Discharge Current ^[1]	50A
Max. Charge&Discharge Current ^[1]	100A
Cycle Life	≥6000 ^[2]
Design Life	16 years+
Communication	CAN
Installation	Floor stand
Protection Grade	IP65
Transportation SOC	25%~35%
Cooling	Natural
Relative Humidity	<95% (no condensing)
Altitude	<2000m
Certificates	CE, UN38.3, SDS

[1] The current is affected by temperature and SOC

[2] According to the test conditions: temperature 25±2°C, charge and discharge current 0.5C/0.5C, 70%EOL ≥6000

[3] At -10 ~ 0°C, only a small current can be used to charge, about 0.08C.

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