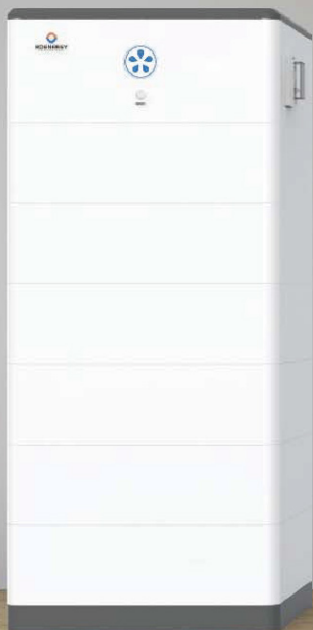


High-Voltage Battery

RH Series

iBAT-R-2.56H



Flexible Applications

Each battery 2.56kWh, scalable to 15.36kWh
Applicable to 1 & 3 phase HV hybrid inverters



Safety & Reliable

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



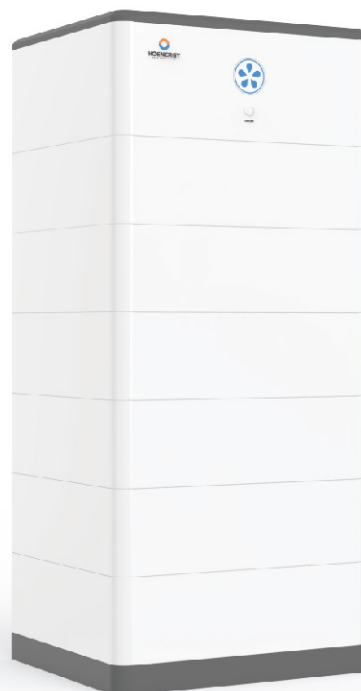
High Performance

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

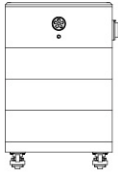





Easy Installation

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



System Parameters

System Model	iBAT-R-2.56H3	iBAT-R-2.56H4	iBAT-R-2.56H5	iBAT-R-2.56H6
System Demo				
HV Box Model	iHCU-50			
Battery Type	LiFePO4			
Battery Quantity	3 pcs	4 pcs	5 pcs	6 pcs
System Capacity	7.68kWh	10.24kWh	12.80kWh	15.36kWh
Rated Voltage	153.6V	204.8V	256V	307.2V
Voltage Range	129.6V-170.4V	172.8V-227.2V	216V-284V	259.2V-340.8V
Charging Temperature	0°C ~ 55°C			
Discharging Temperature	-10°C ~ 55°C			
Storage Temperature	-20°C ~ 55°C			
Continuous charge/discharge current ^[1]	25A			
Max. charge/discharge current ^[1]	50A			
Cycle Life	≥6000 ^[2]			
SOC Accuracy	< 8%			
Communication	CAN			
Weight	102.5kg	131kg	159.5kg	188kg
Dimensions(WxDxH mm)	512×460×715	512×460×865	512×460×1015	512×460×1165
Installation	Floor Stand			
Ingress Protection	IP65			
Transportation SOC	<30%			
Cooling	Nature			
Humidity	<95% (no condensing)			
Altitude	<2000m			
Safety Standard	CE, UN38.3, SDS, IEC62619			

Battery Module

Battery Model	iBAT-R-2.56H
Battery capacity	2.56kWh
Cell Capacity	50Ah
Depth of discharge	93%
Dimensions(WxDxH mm)	512×460×150
Weight	28.5kg

[1] The current is affected by temperature and SOC.

[2] Test conditions: temperature 25±2°C, charge & discharge current 0.5C/0.5C, 70%EOL≥6000.

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