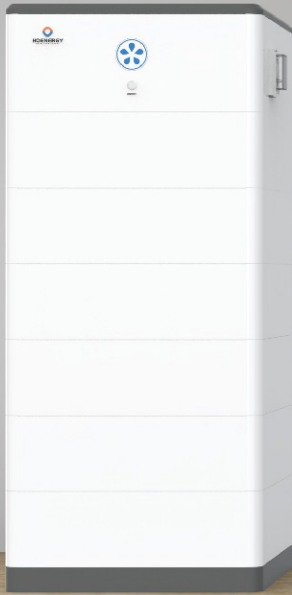


High-voltage Battery RH Series

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



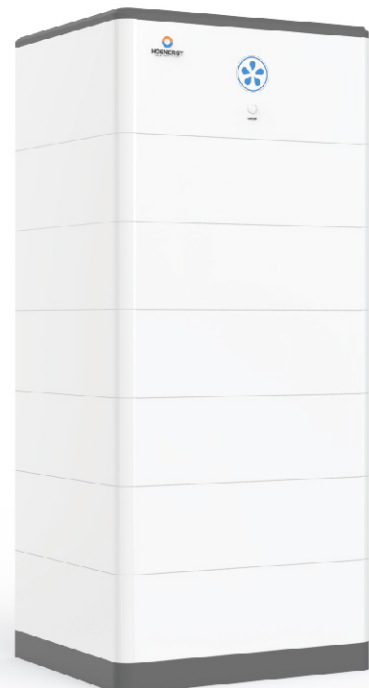
High Performance

High power emergency-backup when outage
IP55 for both indoor and outdoor installation

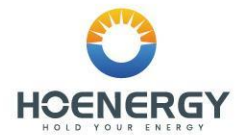


Easy Installation

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



Data Sheet



Specifications	iBAT-R-2.56H3	iBAT-R-2.56H4	iBAT-R-2.56H5	iBAT-R-2.56H6
HV Box Model		iHCU -50		
Battery Type		LiFePO4		
Battery Quantity	3pcs	4pcs	5pcs	6pcs
Nominal Capacity	7.68kWh	10.24kWh	12.80kWh	15.36kWh
Typical Voltage	153.6V	204.8V	256V	307.2V
Working Voltage Range	129.6V–170.4V	172.8V–227.2V	216V–284V	259.2V–340.8V
Charging Temperature		0°C~55 °C		
Discharging Temperature		-20 °C~55 °C		
Storage Temperature		-10 °C~45 °C		
Max. Charge Current		25A		
Max. Discharge Current		25A		
Cycle Life		>6000*		
SOC Accuracy		<8%		
Communication Mode		CAN		
Weight	154 kg	197 kg	240 kg	283 kg
Dimensions (WxDxH mm)	512x460x715	512x460x865	512x460x1015	512x460x1165
Ingress Protection		IP55		
Transportation SOC		<30%		
Cooling		Nature		
Altitude		<2000m		

*Under specific test conditions