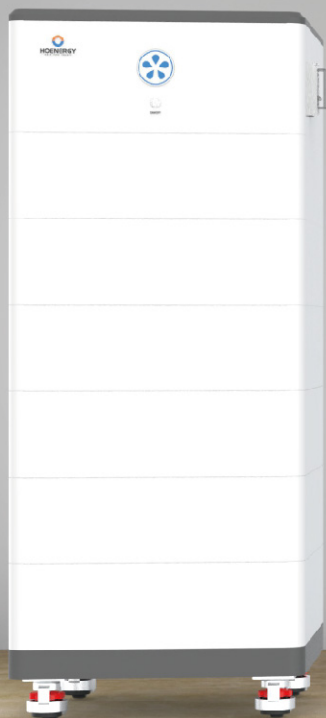


# High-Voltage Battery RH Series

## iBAT-R-2.56H



### Flexible Applications

Each battery 2.56kWh, scalable to 30.72 kWh;  
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.



# Data Sheet

<b>Model No.</b>	iBAT-R-2.56H
<b>HV Box Data</b>	
HV Box Model	iHCU-50
HV Box Dimension (W×D×H)	512×460×215 mm
HV Box Weight	14.5kg
<b>Battery Data</b>	
Battery Type	LiFePO4
Battery Cell Capacity	50Ah
Single Battery Capacity	2.56 kWh
Single Battery Dimension (W×D×H)	512×460×150 mm
Single Battery Weight	34 kg
<b>System Data</b>	
Battery Quantity	H3~H12
Battery Capacity Range	7.68~30.72kWh
Rated Voltage Range	153.6~307.2 V
Working Voltage Range	135V~336V
Depth of Discharge	93%
Charge&Discharge Efficiency	>95%
Residual Battery Accuracy	< 5%
Charge Temperature	-10~0°C <sup>[3]</sup> , 0~55°C
Discharge Temperature	-20~55°C
Continuous Charge&Discharge Current <sup>[1]</sup>	25A
Max. Charge&Discharge Current <sup>[1]</sup>	50A
Cycle Life	≥6000 <sup>[2]</sup>
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.

## Contact us:

Shanghai Hoenergy Power Technology Co.,Ltd

Tel: +86 152 2195 1952

Email: [info@hoenergy.com.cn](mailto:info@hoenergy.com.cn)

Website: [www.hoenergypower.com](http://www.hoenergypower.com)

