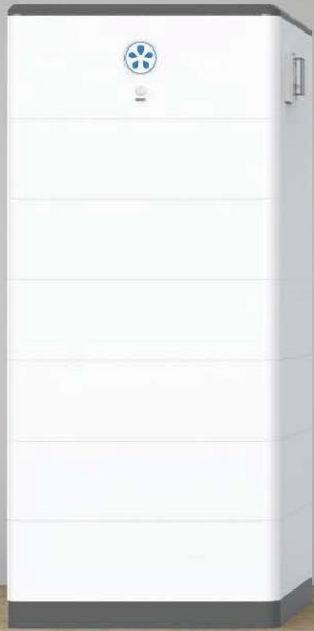


# High-Voltage Battery

## 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



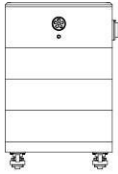



#### Easy Installation

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



# Data Sheet

## 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			
Disharging Temperature	-10°C ~ 55°C			
Storage Temperature	-20°C ~ 55°C			
Continuous charge/discharge current <sup>[1]</sup>	25A			
Max. charge/discharge current <sup>[1]</sup>	50A			
Cycle Life	≥6000 <sup>[2]</sup>			
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.