

High-voltage Battery

RH Series

iBAT-R-5.12H



Safety & Reliable

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



Flexible Applications

Each battery 5.12kWh, scalable to 30.72kWh
Applicable to 1& 3 phase HV hybrid inverters



High Performance

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

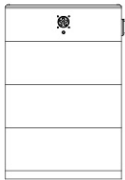





Easy Installation

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



System Parameters

System Model	iBAT-R-5.12H3	iBAT-R-5.12H4	iBAT-R-5.12H5	iBAT-R-5.12H6
System Demo				
HV Box Model	iHCU-100			
Battery Type	LiFePO4			
Battery Quantity	3 pcs	4 pcs	5 pcs	6 pcs
System Capacity	15.36kWh	20.48kWh	25.60kWh	30.72kWh
Rated Voltage	153.6V	204.8V	256V	307.2V
Voltage Range	129.6V-170.4V	172V-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 ^[1]	50A			
Max. charge/discharge current ^[2]	100A			
Cycle Life	≥6000 ^[2]			
SOC Accuracy	< 8%			
Communication	CAN			
Weight	172kg	225kg	278kg	331kg
Dimensions(WxDxH mm)	678×310×1017	678×310×1268	678×310×1519	678×310×1770
Installation	Floor Stand			
Ingress Protection	IP65			
Transportation SOC	<30%			
Cooling	Nature			
Humidity	<95% (no condensing)			
Altitude	<2000m			
Safety Standard	CE, UN38.3, SDS			

Battery Module

Battery Model	iBAT-R-5.12H
Battery capacity	5.12kWh
Cell Capacity	100Ah
Depth of discharge	93%
Dimensions(WxDxH mm)	678×310×251
Weight	53kg

[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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