

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
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-5.12H3	iBAT-R-5.12H4	iBAT-R-5.12H5	iBAT-R-5.12H6
HV Box Model	iHCU - 100			
Battery Type	LiFePO4			
Battery Quantity	3 pcs	4 pcs	5 pcs	6 pcs
Nominal Capacity	15.36kWh	20.48kWh	25.60kWh	30.72kWh
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	50A			
Max. Discharge Current	50A			
Cycle Life	>6000*			
SOC Accuracy	<8%			
Communication Mode	CAN			
Weight	178 kg	233 kg	288 kg	343 kg
Dimensions (WxDxH mm)	678x310x1017	678x310x1268	678x310x1519	678x310x1770
Ingress Protection	IP55			
Transportation SOC	<30%			
Cooling	Nature			

*Under specific test conditions