



HOENERGY
HOLD YOUR ENERGY

High-voltage Battery MH Series

iBAT-M-5.12H



High Performance

LFP prismatic battery cell, high safety



High Safety & Reliable

With superior vehicle-level BMS, more reliable protection functions



Long Service Life

Life cycles ≥ 6000 次^[1]



Small volum & High Capacity

Modular drawer style design, battery capacity 5.12kWh



Easy to Install

Fool-proofing design, plug and play



Flexiable Applications

Scalable to max. 153.6kWh



Data Sheet

Model	iBAT-M-5.12H	
Battery Model	LiFePO4	
Nominal Capacity	5.12kWh	
Weight	43kg	
Dimensions(LxWxH)	482 x 500 x 133mm	
HV Box Model	iHCU-C100 (Single Cluster)	iHCU-C100P (Two Cluster)
Battery Quantity	3 ~15 pcs	16 (8+8) ~30 (15+15) pcs
Capacity Range	15.36 ~76.8 kWh	81.92 ~153.6 kWh
Voltage Range	120 ~876 V	320 ~876 V
Depth of Discharge	93%	
Charge/Discharge Efficiency	98%	
SOC Accuracy	<8%	
Cycle Life	≥ 6000 [1]	
Design lifetime	16 years+	
Continuous charge/discharge current [2]	52A	
Max. charge/discharge current [2]	100A	
Charging Temperature	0°C~55 °C	
Disharging Temperature	-10°C~55 °C	
Storage Temperature	-20°C~55 °C	
Ingress Protection	IP20	
Communication	CAN	
Transportation SOC	<30%	
Cooling	Nature	
Humidity	<95% (no condensing)	
Altitude	<2000m	
Safety Standard	CE, UN38.3, SDS	

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