

iBAT-M-5.1L

Storage Battery Module
Low Voltage



High performance

Use LFP lithium-ion cell, modular design



High safety

With superior vehicle-level BMS



High-efficiency conversion

98% charge/discharge efficiency



Long lifetime

5.12kWh capacity, life cycles ≥ 6000 *



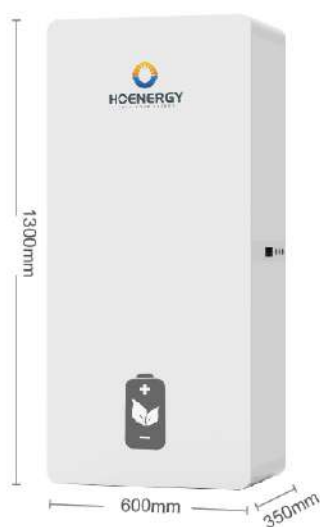
Easy to install

Fool-proofing design interface, plug and play



Flexible configuration

Expandable to 30.7kWh based on needs



iCAB-M-4PC

Max.4pcs -20.4kWh



iCAB-M-6PC

Max.6pcs-30.7kWh

Model No. iBAT-M-5.1L(48100ESS)

Module data

Nominal capacity	5.12 kWh	Weight	41kg
Depth of discharge	93%	Dimensions(LxWxH)	482x480x133mm/19x19x5 inch
Charge/ Discharge efficiency	98%	Protection level	IP20
Nominal voltage	51.2V	Cycle life	≥6000 *
Working voltage	43.2~57.6V	Warranty	5 years
Max.Charge current	50A	Safety standard	UN38.3,IEC62619,EN6000-6-1, EN6000-6-3
Max.Discharge current	70A	Protection strategy	Short circuit protection, overcharge protection over discharge protection
Operating temperature	Charge 0℃~45℃ Discharge -20℃~60℃		over temperature protection

Cells data Parallel data

Battery type	LFP lithium-ion	Communication	CAN/ RS485
Nominal capacity	100 Ah	Compatibility inverter	Goodwe/ Growatt/ Deye/ Sofar Fox/ Luxpower/ Megarevo/Voltronic
Nominal voltage	3.2 V		

Cabinet Model iCAB-M-4PC

Battery number	2pcs	3pcs	4pcs
Nominal capacity	10.2kWh	15.3kWh	20.4kWh
Depth of discharge	93%	Nominal voltage	51.2V
Working voltage	43.2V~57.6V	Max.discharge current	50A
Max.charge current	50A	Communication	CAN
Protection level	IP65	Cabinet size(LxWxH)	600x350x1300mm/24x14x51inch

Cabinet Model iCAB-M-6PC

Battery number	2pcs	3pcs	4pcs	5pcs	6pcs
Nominal capacity	10.2kWh	15.3kWh	20.4kWh	25.6kWh	30.7kWh
Depth of discharge	93%	Nominal voltage	51.2V		
Working voltage	43.2V~57.6V	Max.discharge current	50A		
Max.charge current	50A	Communication	CAN		
Protection level	IP21	Cabinet size(LxWxH)	600x600x1164mm/24x24x46inch		

*Under specific test conditions

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