

iBAT-M-2.5L

Storage Battery Module
Low Voltage



High-efficiency conversion

98.5% charge/discharge efficiency



High safety

With superior vehicle-level BMS



High adaptability

Wide temperature tolerance -10°C~55°C



LFP lithium-ion cell

2.56kWh capacity, life cycles ≥6000*



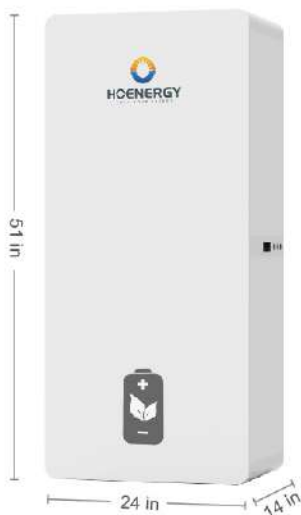
Easy Installation

Modular design, plug and play



Flexible configuration

Scalable upto 15.3kWh based on needs



iCAB-M-4PC

Max.4pcs -10.2kWh



iCAB-M-6PC

Max.6pcs-15.3kWh

Model No. iBAT-M-2.5L

Module data

Nominal capacity	2.56 kWh	Weight	27kg
Depth of discharge	93%	Dimensions(LxWxH)	482x400x133mm/19x16x5 inch
Charge/ Discharge efficiency	98.5%	Protection level	IP20
Voltage	Nominal voltage:51.2V	Cycle life	≥6000 *
	Working voltage:43.2V~57.6V	Warranty	5 years
Battery charge	Standard charge current:0.2C(10A) Fast charge current:0.5C(25A)	Safety standard	UN38.3,IEC62619
Battery discharge	Discharge current:(0~25A)	Protection strategy	Short circuit protection, overcharge protection over discharge protection over temperature protection
Operating temperature	-10℃~55℃		

Cells data Parallel data

Battery type	LFP lithium-ion	Communication	CAN/ RS485
Nominal capacity	50 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	5.1kWh	7.6kWh	10.2kWh
Depth of discharge	93%	Nominal voltage	51.2V
Working voltage	43.2V~57.6V	Max.discharge current	25A
Max.charge current	25A	Communication	CAN/ RS485
Protection level	IP65	Cabinet size(LxWxH)	600x350x1300mm/24x14x51inch

Cabinet Model iCAB-M-6PC

Battery number	2pcs	3pcs	4pcs	5pcs	6pcs
Nominal capacity	5.1kWh	7.6kWh	10.2kWh	12.8kWh	15.3kWh
Depth of discharge	93%	Nominal voltage	51.2V		
Working voltage	43.2V~57.6V	Max.discharge current	25A		
Max.charge current	25A	Communication	CAN/ RS485		
Protection level	IP21	Cabinet size(LxWxH)	600x600x1164mm/24x24x46inch		

* Under specific test conditions

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