

Low-voltage Battery

ML Series

iBAT-M-5.32L



High Performance

LFP prismatic battery cell, high safety



Small Footprint & High Capacity

Modular drawer style design,
battery capacity 5.32kWh



Easy to Install

Fool-proofing design, plug and play



Long Service Life

10-year warranty, life cycles $\geq 6000^*$



High Safety & Reliable

With superior vehicle-level BMS, more reliable
protection functions



Flexible Applications

Scalable to 21.28kWh/31.92kWh based on needs



iCAB-M-4PC

Max. 4pcs - 21.28kWh



iCAB-M-6PC

Max. 6pcs - 31.92kWh

Data Sheet

Battery Model		iBAT-M-5.32L	
Battery Type	LFP	Weight	43kg
Nominal Capacity	5.32kWh	Dimensions(LXWXH)	482x500x133mm
Depth of Discharge	93%	Ingress Protection	IP20
Charge/Discharge Efficiency	98%	Cycle Life	≥6000*
Nominal Voltage	51.2V	Warranty	10 Years
Operating Voltage	43.2V~57.6V	Safety Standards	CE, UN38.3, MSDS, IEC62619
Max. Charge Current	52A	Protections	Short circuit protection,overcharge protection,overdischarge
Max. Discharge Current	70A	Communication	CAN between battery and inverter RS485 between batteries
Charge Temperature	0°C~45°C	Compatible inverter	Sungrow/Huawei/Goodwe/Growatt Deye/Sofar/Fox/Voltronic
Discharge Temperature	-20°C~60°C		

Cabinet Model		iCAB-M-4PC	
Battery Number	2pcs	3pcs	4pcs
Nominal Capacity	10.64 kWh	15.96 kWh	21.28 kWh
Depth of Discharge	93%	Nominal Voltage	51.2V
Operating Voltage	43.2V~57.6V	Max. Charge Current	52A
Max. Discharge Current	52A	Communication Interface	CAN/RS485
Ingress Protection	IP65	Dimensions(LxWxH)	600x350x1300 mm

Cabinet Model		iCAB-M-6PC			
Battery Number	2pcs	3pcs	4pcs	5pcs	6pcs
Nominal Capacity	10.6kWh	15.9kWh	21.2kWh	26.6kWh	31.9kWh
Depth of Discharge	93%	Nominal Voltage		51.2V	
Operating Voltage	43.2V~57.6V	Max.Charge Current		52A	
Max. Discharge Current	52A	Communication Interface		CAN/RS485	
Ingress Protection	IP21	Dimensions(LxWxH)		600x600x1164 mm	

* Under specific test conditions

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