Low-voltage Battery
ML Series

iBAT-M-5.32L

High Performance
LFP prismatic battery cell,high safety

Long Service Life
Life cycles ≥ 6000 [1]

small volum & High Capacity
Modular drawer style design,
battery capacity 5.32kWh

High Safety & Reliable
With superior vehicle-level BMS,more reliable protection functions

Easy to Install
Fool-proofing design,plug and play

Flexiable Applications
Scalable to 21.28kWh/31.92kWh based on needs

iCAB-M-L

Max.4pcs -21.28kWh

iCAB-M-6PC

Max.6pcs-31.92kWh

Data Sheet

HOENERGY
HOLD YOUR ENERGY

Battery Model		iBAT-M-5.32L	
Battery Type	Lithium-ion	Weight	43kg
Nominal Capacity	5.32kWh	Dimensions(LXWXH)	482x500x133mm
Depth of Discharge	93%	Ingress Protection	IP20
Charge/Discharge Efficiency	98%	Cycle Life	≥6000 [1]
Nominal Voltage	51.2V	Design lifetime	16 years+
Operating Voltage	43.2V～57.6V	Safety Standards	CE, UN38.3, SDS
Continuous charge/discharge current [2]	52A	Protections	Short circuit protection,overcharge protection,overdischrage, over temperature protection
Max. charge/discharge current [2]	100A	Communication	CAN between battery and inverter RS485 between batteries
Charge Temperature	0°C～45°C	Compatible inverter	Sungrow/Huawei/Goodwe/Growat Sofar/Fox/Voltronic
Discharge Temperature	-10°C～55°C		

Cabinet Model	iCAB-M-L2	iCAB-M-L3	iCAB-M-L4
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	Continuous charge/discharge current [2]	52A
Max. charge/discharge current [2]	100A	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		Continuous charge/discharge current [2]		52A
Max. charge/discharge current [2]	100A		Communication Interface		CAN/RS485
Ingress Protection	IP21		Dimensions(LxWxH)		600x600x1164 mm

[1] Test conditions: temperature 25±2°C , charge & discharge current 0.5C/0.5C, 70%EOL≥6000
[2] The current is affected by temperature and SOC.

Contact us:
Shanghai Hoenergy Power Technology Co.,Ltd
Tel: +86 152 2195 1952
Email: info@hoenergy.com.cn
Website: www.hoenergypower.com

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