

ML5.1 51.2V 100Ah 5.12kWh



Module Design

Flexible expansion.



Easy Installation

Stackable with flexible brackets.



High Safety LFP

Cell level monitoring and balancing.



Wide Compatibility

Matching with leading inverters.

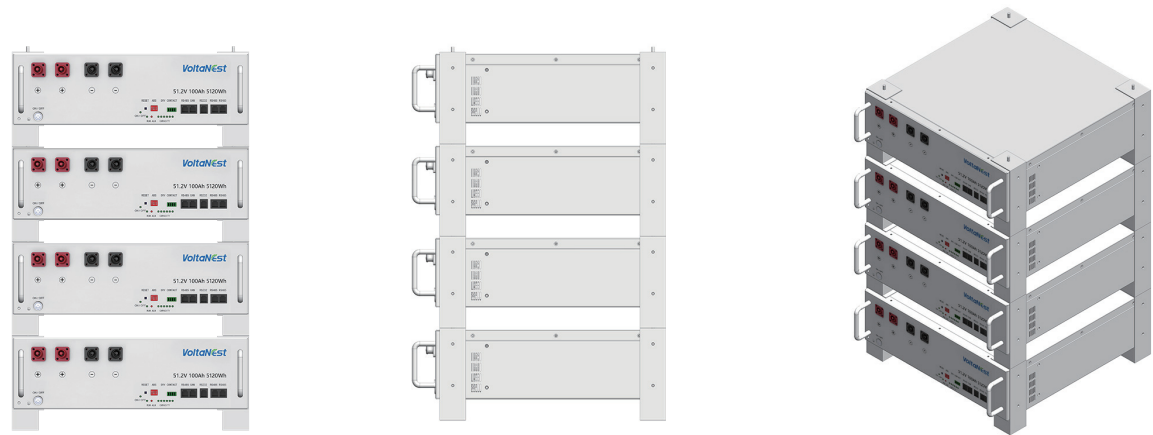


Eco-Friendly

The whole module non-toxic, pollution-free.

ML5.1

Product Display :



Model	ML5.1
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Main Parameter

Battery Type	LiFePO ₄
Nominal Battery Energy	5.12kWh
Nominal Capacity	100Ah
Nominal Voltage	51.2V
Operating Voltage	44.8 ~ 57.6 V
Charge/Discharge Current	80A(Recommended)/100A(Max)

Other Parameter

Depth of Discharge	90% DOD
Dimension	480×443×133mm
Weight	44kg
Communication	CAN2.0, RS485
IP Rating	IP20
Operating Temperature	Charge : 0 ~ 55°C; Discharge : -20°C ~ 55°C
Shelf Temperature	-20°C~60°C
Altitude	≤2000 m
Cycle Life	≥6000 (25°C±2°C, 0.2C / 0.2C, 80%DOD, 70%EOL)
Warranty	5 Years
Certification	UN38.3, MSDS, CE
Compatible Inverters	SMA/Schneider/Victron Energy/Ingeteam/Solis/GoodWe/Growatt/Soplanet/Luxpower/DEYE etc.

Battery Pack Accessories

Model	Accessories Parts Description	Remark
3U-LBCable150	Battery Parallel Cable (Included)	Battery power and communication parallel connection cable (when using the 3U-bracket floor mount)
3U-LPCable1500	Hybrid inverter Cable (Included)	Battery power and communication cable connect with hybrid inverter
3U-LRfe	Battery Rack Fixed Ears (Included)	Used for battery fixing with 19inch rack or cabinet
3U-Bracket	Battery Brackets (Included)	Simple stacking bracket, 1 unit including 4 pcs brackets, Max. stacking 4 floors



Model: 3U-LBCable150
Details: Pair of 150mm 4AWG Battery power cable (both ends have waterproof terminals) and one 250mm RJ45 communication cable for battery parallel.



Model: 3U-LPCable1500
Details: Pair of 4AWG DC power cable (one end has a waterproof terminal, the other end is M10 copper terminal) and one RJ45 communication cable connect with hybrid inverter. The default length is 1500mm.



Model: 3U-LRfe
Details: Pair of rack fixed ears used for battery fixing with 19inch rack or cabinet.



Model: 3U-Bracket
Details: Simple stacking bracket, height 187mm, 1 set including 4 pcs brackets, Max. stacking 4 floors



Mounting Example

Floor-Mounted

