

VMBR-SERIES

51.2V/100AH-5.12KWH



Features



Higher efficiency

- Adopts lithium iron phosphate battery cell, with cycle life of 6000+ years.
- Compatible with mainstream inverter communication protocol, strong adaptability
- Maximum 16 series parallel connection, strong scalability



Safe and reliable

- IP20 protection, 10-year warranty
- Built-in BMS and air switch, all-round protection
- Localized sales support + perfect after-sales service



User Friendly

- Plug-in wiring for easy installation
- Supports floor mounting, rack mounting and wall mounting, saving installation space.
- Equipped with 4.3-inch touch color screen, more comprehensive display content

Model		VMBR51100
Main Parameter		
Battery Chemistry		LiFePO4
Capacity (Ah)		100
Scalability		Max. 16 pcs pack in parallel
Nominal Voltage (V)		51.2
Operating Voltage(V)		43.2~57.6
Nominal Energy (kWh)		5.12
Usable Energy (kWh) [1]		4.61
Charge/Discharge Current (A) [2]	Recommend	60
	Max.	100
	Peak(2mins,25°C)	150
Other Parameter		
Recommend Depth of Discharge		80%
Dimension(W*H*D, mm)		440*133*590
Weight Approximate(kg)		46
IP Rating of Enclosure		IP20
Operating Temperature		Charge: 0~55°C Discharge: -20°C~60°C
Storage Temperature		0~40°C
Humidity		5%~95%
Altitude		≤2000m
Cycle Life		≥6000(25°C±2°C ,0.5C/0.5C,80%DOD,70%EOL)
Installation		Rack-Mounted, Floor - Mounted,Wall - Mounted
CommunicationPort		CAN2.0,RS485
Warranty Period [3]		10 years
Energy		UN38.3, IEC62619, CE

[1] DC Usable Energy, test conditions: 90% DOD, 0.5C charge & discharge at 25°C. System usable energy may vary due to system configuration parameters.

[2] The current is affected by temperature and SOC.

[3] Conditions apply, refer to Vamitek Warranty Letter.