

## VMBF - SERIES

51.2V-280AH



## Features



### High-Efficiency Power Generation

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



### User-friendly

- Supports floor , saving installation space.
- Equipped with 4.3-inch touch color screen, more comprehensive display content



### Safe and Reliable

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

Model		VMBF-51280
<b>Main Parameter</b>		
Battery Chemistry		LiFePO4
Capacity (Ah)		280
Scalability		Max. 16 pcs pack in parallel
Nominal Voltage (V)		51.2
Operating Voltage(V)		43.2~57.6
Nominal Energy (kWh)		14.336
Usable Energy (kWh) [1]		12.9
Charge/Discharge Current (A) [2]	Recommend	150
	Max.	200
	Peak(2mins,25 °C)	250
<b>Other Parameter</b>		
Recommend Depth of Discharge		80%
Dimension(W*H*D, mm)		530*840*255
Weight Approximate(kg)		125
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		Floor-Mounted
CommunicationPort		CAN2.0,RS485
Warranty Period [3]		10 years
Certification		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.