



THE STRENGTH BEHIND STORED POWER.

Advanced lithium technology combining performance, protection, and scalability in one energy solution.

VMBF-51628-G2



VMBF-SERIES

FEATURES



High-Efficiency

- LiFePO₄ battery, 8000+ cycle life
- Compatible with mainstream inverter communication protocols
- Supports up to 16 parallel connections



Safe & Reliable

- IP20 protection, 15-year design life
- Built-in BMS and air switch
- Built-in aerosol fire suppression



User-friendly Design

- Plug-in wiring for easy installation
- Floor installation support
- 4.3-inch touch color screen



PARAMETER		VMBF-51628-G2
Battery Chemistry		LiFePO4
Capacity (Ah)		628
Scalability		Max. 16 pcs pack in parallel
Nominal Voltage (V)		51.2
Operating Voltage(V)		40~57.6
Nominal Energy (kWh)		32.15
"Charge/Discharge Current (A) [1]"	Recommend	280
	Max.	300
	Peak(2mins,25°C)	310
OTHER PARAMETER		
Depth of Discharge [2]		100%
Dimension (W*H*D, mm)		655*920*320
Weight Approximate(kg)		234
IP Rating of Enclosure		IP20
Operating Temperature(°C)		"Charge: 0~50 Discharge: -20~60"
Storage Temperature(°C)		0~40
Humidity		5%~95%
Altitude(m)		≤2000
Cycle Life [3]		8000
Installation		Floor-Mounted
Communication Port		CAN2.0,RS485
Design Life(year)(25°C)		15
Energy		UN38.3, IEC62619, CE

- The current is affected by temperature and SOC.
- Battery supports 100% DOD: rated capacity at 25°C, 0.2C discharge. Default SOC lower limit set at 5%, adjustable.
- Specs based on 25°C, 0.2C charge/discharge, SOC range 5%-95%.