

VMDC - SERIES

48V/5000VA



Features



High-Efficiency Power Generation

- Dual MPPT input, MPPT Maximum efficiency: 99.9%
- Wide MPPT voltage range: 100V-600V
- Maximum charging current: 100A
- Multi functions: DC coupler, DC converter, HV charge controller,



User-friendly

- Intelligent noise reduction mode, enjoy quiet moments
- Compact and lightweight design, easy to install
- Compatible with various battery brands and on-grid inverter brands
- Equipped with 4.3-inch touch color screen, more comprehensive display content



Safe and Reliable

- IP65 Protection Rating, Reliable Quality
- 5-Year Warranty, Use with More Confidence



Intelligent Operation and Maintenance

- Intelligent terminal management, real-time control of system data
- Support OTA remote upgrade and setup, low operation and maintenance cost.

MODEL	VMDC-5K48
Battery parameters	
Cells type	LiFePO4
Voltage[V]	40-60
Max. charge current[A]	100
Max. discharge current[A]	100
Working temperature	-10~55 °C
Storage temperature	-15~60 °C
DC output parameters	
Rated output power[W&VA]	5000
Rated output voltage[Vdc]	260-480
Max. output current[A]	20
PV input parameters	
Rated input Power[W]	5000*2
Max. input voltage[Voc]	600
MPPT operation range[V]	120~580(@120V start up)
Number of MPPT Trackers	2
Number of Strings per MPPT Tracker	1
Max. input current[A]	15
Max. short-circuit current per MPPT[A]	18
Other parameters	
Peak Efficiency	>96%
Max. MPPT efficiency	>99.9%
Surge protection	PV: Type II
IP rating	IP65
General parameters	
Relative humidity range	5%~95%
Max. operation altitude	<2000m
Standby self-consumption	<10W
Installation type	Wall-mounted
Cooling mode	Fan cooling
Communication	RS232/WI -FI/RS485
Dimension (W*H*D, mm)	380*350*155
Weight Approximate(kg)	13
Warranty period	5 years