



On/off grid hybrid inverter

VMIV TWIN 4KW
VMIV TWIN 6KW



Removable operating display panel



Communication port (RS485,CAN-BUS, OR RS232) for BMS



Wide PV input voltage range
60VDC-450VDC



Supports USB On-the-Go function



Dual output for small load



Built-in WiFi for mobile monitoring
(Android/iOS App available)

Model	VMIV TWIN 4KW	VMIV TWIN 6KW
Rated power	4000VA/4000W	6000VA/6000W
AC Input		
Voltage	230VAC	230VAC
Voltage range	170-280Vac(applicable to personal computer) 90-280Vac (applicable to household appliances)	170-280Vac(applicable to personal computer) 90-280Vac (applicable to household appliances)
The Output		
The output voltage range	230VAC±5%	230VAC±5%
Power surge	8000VA	12000VA
Efficiency	93%	93%
Conversion time	20ms (computer) 10ms (Household appliance)	20ms (computer) 10ms (Household appliance)
Wave form	Pure sine wave	Pure sine wave
Battery		
The battery voltage	24V	48V
Float charging pressure	27V	54V
The overcharge protection	33VDC	63VDC
PV Charging & Communication		
PV charging & communication	MPPT	MPPT
Maximum photovoltaic array power	5000W	6000W
MPPT working voltage range	60~450VDC	60~450VDC
Open circuit voltage, the largest photovoltaic array	500VDC	500VDC
The rated voltage	320V	360V
The largest PV input current	27A	27A
The largest PV charging current	120A	120A
Maximum charging current communication	120A	120A
Maximum charging current	120A	120A
Physical		
Size (D/W/H)	470x305x125mm	470x305x125mm
Net weight (KG)	9	10
Communication interface	USB/RS232/RS485/WiFi/Dry contact	USB/RS232/RS485/WiFi/Dry contact
Working Environment		
Relative humidity	5% to 95% Relative humidity (no condensation)	5% to 95% Relative humidity (no condensation)
Working temperature	-10°C to 50°C	-10°C to 50°C
Storage temperature	-15°C to 60°C	-15°C to 60°C
Standard		
Safety regulation	CE	CE