

Solar hybrid inverter

Off Grid Energy Storage Inverter

3.5-5.5KW

Battery Optional

1KW=1kVA

Bluetooth



Product Snapshot

Model: 3.5KW/5.5KW

Nominal Voltage: 230VAC

Frequency Range: 50Hz/60Hz

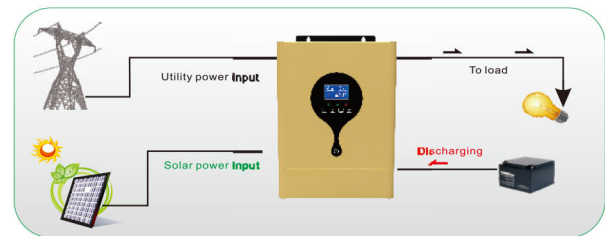
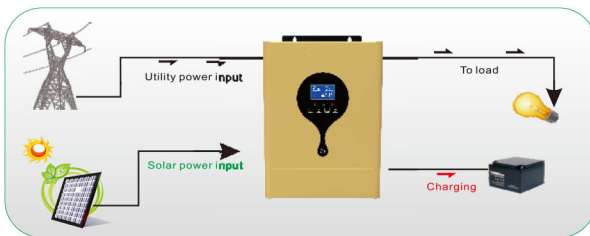


Key Features:

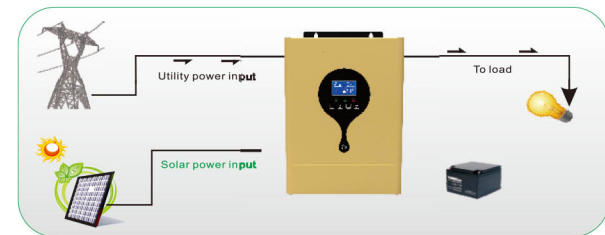
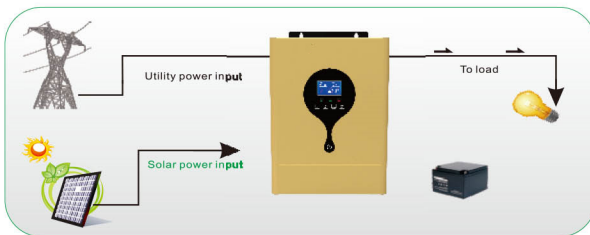
- Pure sine wave MPPT solar inverter
- High PV input voltage range
- Built-in 100A MPPT solar charger
- With Touch Buttons
- Built-in anti-dusk kit for harsh environment
- Support lithium iron battery
- Battery equalization function to optimize battery performance and extend lifecycle
- Reserved communication port (RS485, CAN-BUS or RS232) for BMS (Optional)

Hybrid Operation

With battery connected



Without battery connected



Features



Reverse connection protection



Impact protection



Over temperature protection



Low voltage protection



Overload protection



Short circuit protection



Overcurrent protection



High voltage protection

Wall Mounted Integrated Solar Inverter Technical Specification Built-in MPPT Solar Controller

MODEL	VM II Pro 3500-24	VM II Pro 5500-48
Rated Power	3500VA / 3500W	5500VA / 5500W
INPUT		
Voltage	230 VAC	
Selectable Voltage Range	170-280 VAC (For Personal Computers) ; 90-280 VAC (For Home Appliances)	
Frequency Range	50 Hz/60 Hz (Auto sensing)	
OUTPUT		
AC Voltage Regulation (Batt. Mode)	230VAC \pm 5%	
Surge Power	7000VA	11000VA
Efficiency (Peak)	up to 93.5%	
Transfer Time	10 ms (For Personal Computers) ; 20 ms (For Home Appliances)	
Waveform	Pure sine wave	
BATTERY		
Battery Voltage	24 VDC	48 VDC
Floating Charge Voltage	27 VDC	54 VDC
Overcharge Protection	33 VDC	63 VDC
SOLAR CHARGER & AC CHARGER		
Maximum PV Array Open Circuit Voltage	500 VDC	500 VDC
Maximum PV Array Power	5500 W	5500 W
MPPT Range @ Operating Voltage	120~450 VDC	120~450 VDC
Maximum Solar Charge Current	100 A	100 A
Maximum AC Charge Current	80 A	80 A
Maximum Charge Current	100 A	100 A
PHYSICAL		
Dimension, D x W x H (mm)	400*300*115	400*300*115
Net Weight (kgs)	8.5	9
Communication Interface	USB/RS232	
ENVIRONMENT		
Humidity	5% to 95% Relative Humidity (Non-condensing)	
Operating Temperature	-10°C to 50°C	
Storage Temperature	-15°C to 60°C	

Note: Product specifications are subject to change without further notice.

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