



3.5-5.5KW

IVT-VM II PRO

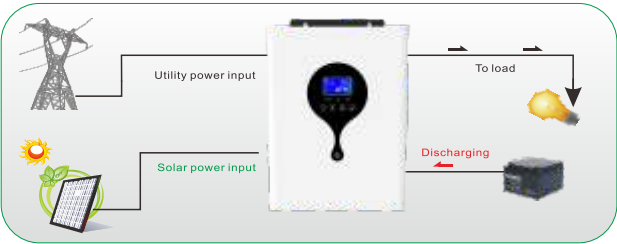
Solar Energy
Storage Inverter

Key Features

- Pure sine wave 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



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

Model	IVT VM II PRO 3.5k-24	IVT VM II PRO 5.5k-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)	
SOLAR CHARGER & AC CHARGER		
Maximum PV Array Power	4500W	5500W
MPPT Range @ Operating Voltage	120~450 VDC	
Maximum PV Array Open Circuit Voltage	500 VDC	
Maximum Solar Charge Current	100A	
Maximum AC Charge Current	60A	
Maximum Charge Current	100A	
BATTERY		
Battery Voltage	24 VDC	48 VDC
Floating Charge Voltage	27 VDC	54 VDC
Overcharge Protection	33 VDC	63 VDC
OUTPUT		
AC Voltage Regulation(Batt. Mode)	230VAC±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	
PHYSICAL		
Dimension, D X W X H(mm)	400 X 300 X 115	
Net Weight(kgs)	8.5	9
Communication Interface	USB/RS232	
OPERATING ENVIRONMENT		
Humidity	5% to 95% Relative Humidity(No-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.