



VMH Series

3KVA-10KVA

The VMH series is a high-frequency solar inverter that generates pure sine wave. It is designed to provide maximum energy accumulation with its advanced MPPT calculation method and intelligent battery management system. The inverter has a wide PV input range and can run without a battery if there is sufficient energy. Its high power density, simple operation, high overall efficiency and small no-load loss make it a top choice.

Why come to us for a solution?

Quality products

Wide range of products

Nationwide backup

Locally produced UPS's

Competitively priced

Unique design

Good value for money



APPLICATION

LED lights, Computers, TV, Household Appliances, Electric tools

FEATURES

- Pure sine wave
- Built-in MPPT solar charge controller
- Adjustable AC/Solar charge input
- LCD display
- Adjustable AC input voltage range
- Auto transfer switch
- Cold start function
- USB & RS232 monitoring functions
- WiFi & Bluetooth intelligent monitoring function



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3KVA-10KVA

MODEL	VMH-3024	VMH-5048	VMH-10048
RATED CAPACITY	3000VA/3000W	5000VA/5000W	10000VA/10000W
INPUT			
INPUT FORMAT	L + N + PE		
RATED INPUT VOLTAGE	208/220/230/240VAC		
VOLTAGE RANGE	170-280VAC		
FREQUENCY RANGE	50Hz/60Hz (AUTO SENSING)		
OUTPUT			
OUTPUT FORMAT	L + N + PE		
RATED OUTPUT VOLTAGE	208/220/230/240VAC±5%		
OUTPUT FREQUENCY	50/60Hz±0.1%		
WAVEFORM	PURE SINE WAVE		
TRANSFER TIME	10MS		
PEAK POWER	6000VA	10000VA	20000VA
OVERLOAD CAPACITY	BATTERY MODE: 1min@102% - 110% load 10S@110% - 130% load 3s@130% - 150%load - 200ms@130% load		
PEAK EFFICIENCY	>93%	>94%	>93%
BATTERY			
RATE VOLTAGE	24VDC	48VDC	48VDC
CONSTANT CHARGE VOLTAGE	28.2VDC	56.4VDC	56.4VDC
FLOAT CHARGE VOLTAGE	27VDC	54VDC	54VDC
SOLAR CHARGER & AC CHARGER			
SOLAR CHARGER TYPE	MPPT		
PV MAXIMUM INPUT POWER	4000W	5500W	11000W
MPPT TRACKING RANGE	120-430VDC		
MAXIMUM PV INPUT VOLTAGE	450VDC		
MAXIMUM PV CHARGE CURRENT	80A		80A + 80A
MAXIMUM AC CHARGING CURRENT	60A	80A	80A + 80A
MAXIMUM CHARGING CURRENT	80A		80A + 80A
COMMUNICATION INTERFACE			
COMMUNICATION INTERFACE	RS232 USB BMS Communication		
ADDITIONAL COMMUNICATION	None	WiFi Module	
PARALLEL INTERFACE	NO PARALLEL	WITH PARALLEL (OPTIONAL)	NO PARALLEL
ENVIRONMENTAL PARAMETERS			
OPERATING AMBIENT TEMPERATURE	0 - 40°C		
OPERATING ENVIRONMENT HUMIDITY	20% - 95% (NON CONDENSING)		
STORAGE TEMPERATURE	-15°C - 60°C		
ALTITUDE	Altitude should not exceed 1000m, Derating above 1000m, Maximum 4000m, Refer to IEC62040		
NOISE	≤50db		
PHYSICAL PARAMETERS			
UNIT DIMENSIONS (DxWxH)	120 x 300 x 444		115 x 620 x 580
UNIT WEIGHT (Kg)	7	9	22
STANDARDS			
CERTIFICATES	EN-IEC 60335-1, EN-IEC 60335-2-29, IEC 62109-1		

