



PV1800 VHM Series High Frequency off Grid Solar Inverter

Feature:

- Rated power 2KW/3KW/4KW/5KW
- Pure sine wave output
- Smart LCD setting(Working modes, Charge Current, Charge Voltage, etc).
- Built-in MPPT 60A/80A solar charge controller
- MPPT Efficiency max 98%
- New SUB working mode(Solar-Utility-Battery working mode) for 4K-5K 48V series
- Combining solar system, AC utility, and battery power source to supply continuous power
- Overload, short circuit and Deep discharge protection
- Parallel operation with up to 3 units (Available for 4KW/5KW only)
- Cold start function
- WIFI remote monitoring (optional)
- Support USB, RS485 monitoring function with free CD
- Compatible to generator

Specification

MODEL		PV18-2024 VHM	PV18-3024 VHM	PV18-3048 VHM	PV18-4048 VHM	PV18-5048 VHM
Nominal Battery System Voltage		24VDC			48VDC	
INVERTER OUTPUT	Rated Power	2000W	3000W	3000W	4000W	5000W
	Surge Power	4000W	6000W	6000W	8000W	10000W
	Waveform	Pure sine wave				
	AC Voltage Regulation (Batt.Mode)	(220VAC ~ 240VAC)±5%				
	Inverter Efficiency(Peak)	93%				
	Transfer Time	10ms (For Personal Computers) 20ms (For Home Appliance)				
AC INPUT	Voltage	230VAC				
	Selectable Voltage Range	170~280VAC(For Personal Computers), 90~280VAC(For Home Appliances), 184~253VAC(VDE4105)				
	Frequency Range	50Hz/60Hz (Auto sensing)				
BATTERY	Normal voltage	24VDC		48VDC		
	Floating Charge Voltage	27VDC		54VDC		
	Overcharge Protection	31VDC		60VDC		
SOLAR CHARGER & AC CHARGER	Maximum PV Array Open Circuit Voltage	145VDC				
	PV Array MPPT Voltage Range	30~130VDC		64~130VDC		
	Standby Power Consumption	2W				
	PV input power Power	1440W/1920W		2880W/3840W		
	Maximum Solar Charge Current	60A/80A				
	Maximum Efficiency	98%				
	Maximum AC Charge Current	20A/30A		60A		
MECHANICAL SPECIFICATIONS	Machine Dimensions (W*H*D)(mm)	272*355*100			297.5*468*125	
	Package Dimensions (W*H*D)(mm)	540*395*241			638*395*241	
	Net Weight(kg)	10	11	13.3		
	Gross Weight(kg)	11.7	12	16.4		
OTHER	Humidity	5% to 95% Relative Humidity (Non-condensing)				
	Operating Temperature	0°C-55°C				
	Storage Temperature	-15°C-60°C				

* Product specifications are subject to change without further notice.