



## PV1800 VHM Series (2KW-5.5KW)

### Features

- Pure sine wave solar inverter
- Output power factor 1
- High PV input voltage range
- Built-in 80A MPPT solar charger
- Battery equalization function to optimize battery performance and extend lifecycle
- Built-in anti-dusk kit for harsh environment



### Selection Guide

MODEL	PV18-2024 VHM	PV18-3024 VHM	PV18-3048 VHM	PV18-4048 VHM	PV18-5048 VHM	PV18-5548 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 computer) \ 90~280VAC(For Home Appliance) \ 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	1440W/1920W		2880W/3840W		
	Maximum Solar ChargeCurrent	60A/80A				
	Maximum Efficiency	98%				
	Maximum AC Charge Current	20A/30A		60A		
Maximum Charge Current	80A		120A/140A			
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% Relatiy Humidity (Non-condensing)				
	Operating Temperature	0°C ~55°C				