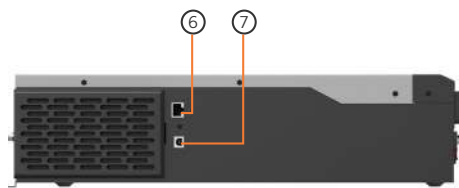
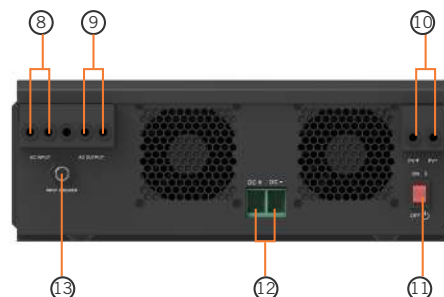
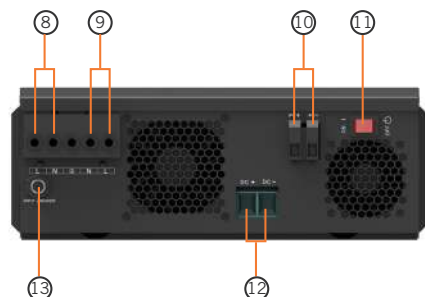


PV1800 VHM SERIES (2KW-5.5KW)

High Frequency Off Grid Solar Inverter



1. LCD Display
2. Status Indicator
3. Charging Indicator
4. Fault Indicator
5. Function Buttons
6. RS-485 Communication port
7. USB
8. AC Input
9. AC Output
10. PV Input
11. Power On/Off Switch
12. Battery Input
13. Circuit breaker



(2KW-3KW)

(3KW-5.5KW)

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	5500W
	Surge Power	4000W	6000W	6000W	8000W	10000W	11000W
	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 pensonal 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 Charge Current	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					
	Storage Temperature	-15°C ~60°C					