



# VP-V

## Off-Grid Inverter

- Selectable high power charging current
- Wide DC input range
- Selectable input voltage range for home appliances and personal computers
- Configurable AC/Solar input priority via LCD setting
- Compatible to mains voltage or generator power
- Auto restart while AC is recovering
- Overload and short circuit protection
- Smart battery charger design for optimized battery performance
- Cold start function



VP-VP 3K-24  
VP-VM 3K-24

VP-VM 3K-24 Plus  
VP-VP 5K-48  
VP-VM 5K-48



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Off-Grid Inverter

MODEL	VP-VP 3K-24	VP-VM 3K-24	VP-VM 3K-24 Plus	VP-VP 4K-48	VP-VM 4K-48	VP-VP 5K-48	VP-VM 5K-48
Rated Power	3000VA/2400W			4000VA/3200W		5000VA/4000W	
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)						
OUTPUT							
AC Voltage Regulation (Batt. Mode)	230VAC ± 5%						
Surge Pow er	6000VA		8000VA		10000VA		
Efficiency (Peak)	90% ~ 93%						
Transfer Time	10 ms (For Personal Computers) 20 ms (For Home Appliances)						
Waveform	Pure sine wave						
BATTERY							
Battery Voltage	24 VDC		48 VDC		48 VDC		
Floating Charge Voltage	27 VDC		Default 54 VDC, Max. 64 VDC		54 VDC		
Overcharge Protection	32 VDC		66 VDC		63 VDC		
SOLAR CHARGER & AC CHARGER							
Solar Charger Type	PWM	MPPT		PWM	MPPT	PWM	MPPT
Maximum PV Array Open Circuit Voltage	80 VDC	102 VDC	145 VDC	105 VDC	145 VDC	105 VDC	145 VDC
Maximum Solar Charge Current	50A	40A	60A	50A	80A	50A	60A
Maximum AC Charge Current	25A				60A		
Maximum Charge Current	70A	60A	120A	110A	120A	110A	120A
PHYSICAL							
Dimension, D X W X H (mm)	100 x 334 x 285		100 x 300 x 440	115 x 455 x 295		100 x 300 x 440	
Net Weight (kgs)	6.4	6.6	11	10	11	11	13
Communication Interface	USB			USB & RS-232		USB	
OPERATING ENVIRONMENT							
Humidity	5% to 95% Relative Humidity(Non-condensing)						
Operating Temperature	-10°C to 50°C						
Storage Temperature	-15°C to 60°C						

\* Product specifications are subject to change without further notice