



1 - 3 - 5 kVA

V SERIES INVERTER

HYBRID INVERTERS

GENERAL SPECIFICATIONS

- Pure sine wave solar 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



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TECHNICAL SPECIFICATIONS

MODEL	VTS1000	VM1000	VTS3000	VMPTS3000	VTS5000	VMPTS5000
Rated power	1000VA/1000W		3000VA/3000W		5000VA/5000W	
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 power	2000VA		6000VA		10000VA	
Efficiency (Peak)	90% ~ 93%					
Transfer time	10 ms (For Personal Computers) 20 ms (For Home Appliances)					
Waveform	pure sine wave					
BATTERY						
Battery voltage	12 VDC		24 VDC		48 VDC	
Floating charge voltage	13.5 VDC		27 VDC		54 VDC	
Overcharge protection	16 VDC		32 VDC		63 VDC	
SOLAR CHARGER & AC CHARGER						
Solar charger type	PWM	MPPT	PWM	MPPT	PWM	MPPT
Max. PV array open circuit voltage	55 VDC	102 VDC	80 VDC	102 VDC	105 VDC	145 VDC
Maximum PV power	600 W	500 W	1200 W	1000 W	2400 W	3000 W
MPP range at operating voltage	15-18 VDC	17~80 VDC	30-32 VDC	30~80 VDC	60-72 VDC	60 ~ 115 VDC
Maximum solar charge current	50 A	40 A	50 A	40 A	50 A	60 A
Maximum AC charge current	20 A	20A	25A	25A	60 A	60 A
Maximum charge current	50 A	60A	70 A	60 A	110 A	120 A
PHYSICAL SPECIFICATIONS						
Dimension (mm) HxWxD	320x225x88		285x334x100		440x300x100	
Net weight (kgs)	4.4		6.3	6.5	8.5	9.7
Communication interface	USB					
Humidity	5% to 95% Relative humidity (non-condensing)					
Operating temperature	-10°C to 50°C					
Storage temperature	-15°C to 60°C					