

V SERIES INVERTER

HYBRID INVERTERS

- Pure sine wave solar inverter
- Selectable high power charging current
- Wide DC input range
- Selectable input voltage range for home appliances
- Configurable AC/Solar input priority via LCD setting personal computers
- 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



TECHNICAL SPECIFICATIONS

MODEL	VTS1000	VM1000	VTS3000	VMPTS3000	VTS5000
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 (battery mode)	230VAC \pm 5%				
Surge power	2000VA		6000VA		10000VA
Efficiency (peak)	90% ~ 93%				
Transfer time	10 ms (for personal computers), 20 ms (for home appliances)				
Waveform	Pure sinewave				
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
Maximum PV array open circuit voltage	55 VDC	102 VDC	80 VDC	102 VDC	105 VDC
Maximum PV array power	600 W	500 W	1200 W	1000 W	2400 W
MPP range @ operating voltage	N/A	17~80 VDC	N/A	30~80 VDC	N/A
Maximum solar charge current	50 A	40 A	50 A	40 A	50 A
Maximum AC charge current	20 A	20A	25A	25A	60 A
Maximum charge current	50 A	60A	70 A	60 A	110 A
PHYSICAL					
Dimensions HxWxD (mm)	320x225x88		285x334x100		440x300x100
Net weight (kg)	4.4		6.3	6.5	8.5
Communication interface	USB				
ENVIRONMENT					
Humidity	5% to 95% (non condensing)				
Operating temperature	-10°C to 50°C				
Storage temperature	-15°C to 60°C				