



TECHNICAL PARAMETER

Model	VT6048M	VE10048M	VE12548M
Rated power	4800W	8000W	10000W
Battery			
Battery type	Lithium/VRLA/GEL/GEL DEEP CYCLE		
Max AC charging current	30A	55A	60A
Battery charging voltage	54VDC		
Low level disconnect(Selectable)	38-46V	40-42V	40-42V
Maximum PV array power	3200W	6100W	6100W
MPPT control voltage range	60-150VDC		
Maximum MPPT charge current	60A	120A	120A
MPPT Maximum PV display open circuit voltage	150VDC	150VDC	150VDC
LCD Indicator status	Input AC,Output AC,Battery DC output load,alarm fault,battery charge level,output frequency		
LED indicator status	AC Line in:Green Inverter:Green Charging:Yellow Alarm:Red		
Alarm			
Low battery alarm	Audible alarm-1 beeping per seconds		
Overload alarm	Audible alarm-continuous beeping be turned off after 30s When the overload is less than 130%,Audible alarm-1 beeping per seconds,and the output will be turned off after 300ms When the overload is larger than 150%,the output will be turned off after 300ms		
Fault	Audible alarm-continuous beeping		
Input			
Capacity(VA)	5000VA	8000VA	1000VA
Rate DC voltage	48VDC		
Input Voltage Range	154-264VAC±3V(Normal Mode) 185-264VAC±3V(UPS Mode)		
Frequency	50/60Hz±5%(Adaptive)		
Output			
Output Voltage	220VAC±10%		
Output Frequency	50/60Hz±1%		
Waveform	Pure sine wave		
Transfer time(Adjustable)	≤10ms for UPS ,≤20ms for INV mode		
Efficiency	>98%		
Bypass Mode	YES		
Load peak ratio	Max 3:1		
Protection			
Output protection	Overload protection,short circuit protection,Low voltage protection,battery reverse connection protection		
Display	LCD connection port can display operating mode/load/input/output		
Environment			
Operation temperature	0℃to 40℃		
Storage temperature	-15℃to 45℃		
Altitude	No more than 1000m, if >1000m will derate,max 4000m,refer to IEC62040		
Humidity	10%-95%(non-condensing)		
Dimension	720*335*210mm		
Net weight	23KG	33KG	33KG

Main features

- 1.Lithium battery auto restart
- 2.Utility charging Voltage/PV charging Voltage adjustable
- 3.Battery reverse connection protection
- 4.Support working without battery
- 5.High precision of output voltage: ± 5%
- 6.Intelligent power supply mode,intelligent distribution of solar panel/mains/battery power shares
- 7.Slim body,convenient installation and transportation
- 8.PF 1.0,high efficiency,lower consumption
- 9.Parallel fuction,up to max 9 unit,enlarge more loads
- 10.Communication option:external WIFI,supervise at any time

