



5~10KVA Off-Grid Inverter with Controller

Feature:

- PV controller inverter
- MPPT high efficiency control
- Digital control
- High impact resistance
- Self detected frequency
- Continuous output
- Perfect protection function
- Visualized LED/LCD display

Technical data:

Model	HT5000—296/ HT5000—2192	HT6000—296/ HT6000—2192	HT8000—2192	HT10000—2192
Rated Capacity	5KVA/4KW	6KVA/4.8KW	8KVA/6.4KW	10KVA/8KW
Operation Topology	High frequency non-isolated topology, pure sine wave			
Bypass Input	Voltage (110Vac/220Vac)±15%MAX			
	Frequency (50Hz/60Hz)±10%MAX			
AC charging	Float Voltage 110VDC/220VDC		220VDC	
	Current 5A			
PV Charge controller	Open Circuit Voltage 110VDC~450VDC/200VDC~550VDC		200VDC~550VDC	
	Short Circuit Current 25A/50A/75A			
	Charging current Max 25A/50A/75A			
	Charging Power Max 2.4KW/4.8KW/7.2KW/9.6KW/14.4KW		4.8KW/9.6KW/14.4KW	
	Controlling MPPT/Constant Voltage/Float Charging			
Battery	Type Deep Cycle Maintenance-Free Lead-acid battery			
	Number of Battery 8/16 Series 12V (Optional)		16 Series 12V	
	Rated Battery Voltage 96VDC/192VDC		192VDC	
	Power Factor 0.8			
AC Output	Phases Single (Mono) phase (L+N+G)			
	Rated Voltage 220/230VAC			
	Rated Frequency 50Hz/60Hz			
	Frequency Precision <±0.1Hz (without AC Input)			
	Voltage Precision <±3%			
	Current Peak Ratio 3:1			
	THD Liner Load<3%			
	Over load 105%~125%,3min ; 125%~150%,1min; lasting only 1Second when load>150%			
	Switching Converting-->Bypass: <10ms; Bypass-->Converting: <10ms			
	Alert	Low Voltage Lasting 1 second for every 5 seconds		
Over load Lasting 1 second for every 2 seconds				
Fault Lasting alerting without stop				
System	Display LED+LCD			
	Protection Output short circuit, over-load, over-voltage, low-voltage, battery low voltage, over-temperature etc			
	Communication RS232			
	Temperature 0~40℃			
	Humidity 0~90% (No-condensing)			
	Cooling Smart Fan			
	Noise <60Db(1M from machine)			
Other	Connection protec Terminals block			
	Surge protection IEC60664-1			
	EMC GB7260.2-2003			
Physical parameter	Structure IP21			
	Weight 20Kg		22Kg	
	Dimension (W×H×D) 465*505*235			

300W-5000W Off-Grid Inverter



Feature:

- Digital control
- High impact resistance
- Self detected frequency & voltage
- Continuous output
- Perfect protection function
- Visualized LCD/LED display
- With AC power input function
- Accept customize service

Technical data:

Power (W)	300	500	800	1k 1.5k 2k	3k	3.5k	4k	5k
Rated Battery Voltage (VDC)	12/24/36	24/36/48	36/48	24/48/96/192	96/110	96/110	96/110	96/192
Input Voltage (VAC)	170~270							
Input Frequency(Hz)	50							
Invert Output Voltage (VAC)	220/110±5%							
Invert Output Frequency (Hz)	50/60±1%							
Output waveform	Pure sinusoidal wave							
Switch Time	<10ms							
Charging Current	Max 15A				Max 20A			
Inverter Output protection	Protection Of Input Voltage too low or too high, DC low-voltage protection, Peak Surge protection.Overload protection: 100-120% 30 Second; > 120%,100 millisecond; >150%, 50 millisecond; Output Short circuit<150 Microseconds							
Noise	< 65dB							
Operation Environment	0~40℃							
Storage environment temperature	-15~ + 50℃							
Operation/ Storage environment Relative humidity	0-90% No condensation							
Operation Environment Altitude	0-3,000 m							
Storage environment Altitude	0-15,000m							
Reference Size W*H*D(mm)	300W~1000W				235*255*235			
	2000W~5000W				465*505*235			
Reference Wight(Kg)	300W				9			
	500W~800W				10~11			
	1KW				15			
	2kW				30			
	3kW				40			
	4kW				45			
5kW				55				