



(Sinewave-Series) ▶ ▶ ▶ switch mode design \ small size \ little weight

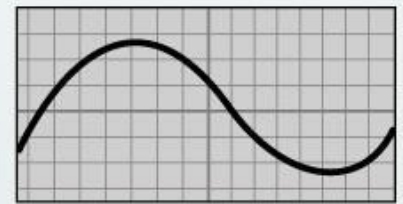
Input voltage: 12/24/48V  
 Output voltage: 100/120/230v  
 Frequency: 50/60Hz selectable  
 Continuous power: 150W ~ 300W  
 Max surge power: 300W ~ 600W  
 low input voltage, high input voltage,  
 overload, overtemperature,  
 short circuit protections.

Input voltage: 12/24/48V  
 Output voltage: 100/120/230v  
 Frequency: 50/60Hz selectable  
 Continuous power: 600W  
 Max surge power: 1200W  
 low input voltage, high input voltage,  
 overload, overtemperature,  
 short circuit protections.

Input voltage: 12/24/48V  
 Output voltage: 100/120/230v  
 Frequency: 50/60Hz selectable  
 Continuous power: 1200W  
 Max surge power: 2400W  
 low input voltage, high input voltage,  
 overload, overtemperature,  
 short circuit protections.

### Smart start function design:

1. Maximizing startup performance.
2. Dynamic DC Bus Voltage regulation.
3. Soft-start technology improves reliability.

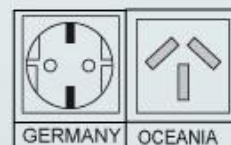


Pure Sine Wave

*These model are used in a wide range of application including remote homes, RVs, sailboats and powerboats. It will operate most televisions and V8, personal computers, small appliances and tools such as drills, sanders, grinders, mixers and blenders. To get the most out of the power inverter, it must be installed and used properly.*

- Pure sine wave output (<2% THD).
- Input & Output fully isolation design.
- High efficiency 87% ~ 90%.
- Internal and external heat sinks.
- Multi-stage thermal control fan.
- Frequency 50/60HZ selective switch.
- Re-start function
- Complete protection design.

socket type :



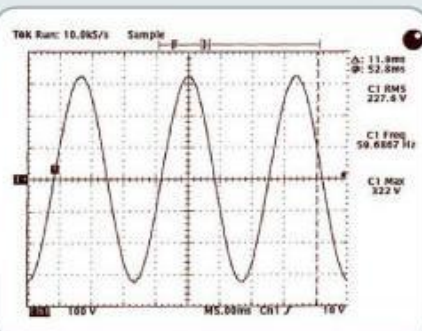




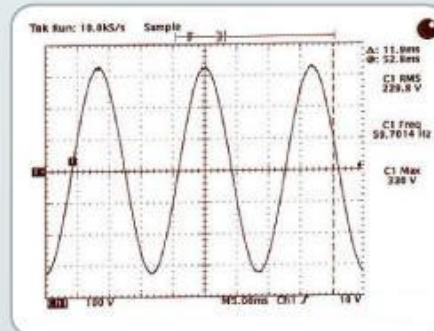
## SPECIFICATION

Model NO.		HT-S-150	HT-S-300	HT-S-600	HT-S-1200
OUTPUT	AC VOLTAGE	100/120/230V			
	CONTINUOUS POWER	150W	300W	600W	1200W
	SURGE POWER	300W	600W	1200W	2400W
	WAVEFORM	PURE SINE WAVE			
	FREQUENCY	50/60HZ ± 3%			
	AC REGULATION	± 5%			
	RECEPTACLES	2pcs for type 2, 1pc for type 3, 4, 5, 6			
	LED INDICATOR	Green LED for power on; Red LED for power failure status			
INPUT	DC CURRENT	20A(12V)/10A(24V)5A(48V)	40A(12V)/20A(24V)10A(48V)	70A(12V)/35A(24V)18A(48V)	150A(12V)/75A(24V)38A(48V)
	NO LOAD CURRENT DRAW	0.5A(12V)/0.3A(24V)0.2A(48V)	0.6A(12V)/0.3A(24V)0.2A(48V)	0.9A(12V)/0.5A(24V)0.3A(48V)	1.1A(12V)/0.6A(24V)0.3A(48V)
	DC VOLTAGE	12V/24V/48V			
	VOLTAGE RANGE	10.5-16VDC(12V)/21-32VDC(24V)/42-64V(48V)			
	EFFICIENCY(Typ.)	>87%			
	DC CONNECTOR	Cable*1pc			
	FUSE	1pc		3pcs	6pcs
	PROTECTION	BAT.LOWALARM	11 ± 0.5v(12v)/22 ± 1v(24v)/44 ± 2v(48v)		
BAT.LOW SHUTDOWN		10.5 ± 0.5v(12v)/21 ± 1v(24v)/42 ± 2v(48v)			
OVER VOLTAGE		16 ± 0.5v(12v)/32 ± 1v(24v)/64 ± 2v(48v)			
OVER TEMPERATURE		55 ± 5°C			
SHORT CIRCUIT PROTECTION		Shut-off			
BAT.POLARITY		Fuse Burn out			
OVER LOAD		re-start 2 times, shut down if failed			
ENVIRONMENT	WORKING TEMP.	0~+40°C			
	WORKING HUMIDITY	20%~90% RH non-condensing			
	STORAGE TEMP., HUMIDITY	-30~+70°C/-22°F~+158°F, 10~95% RH			
	TEMP.COEFFICIENT	± 0.05%°C(0~55°C)			
SAFETY& EMC	EMI CONDUCTION & RADIATION	Compliance to EN55022 class B, 72/245/CEE, 95/54/CE			
	EMS IMMUNITY	Compliance to EN61000-4-2, 3			
	LVD	Compliance to EN60950			
OTHERS	DIMENSION(L*W*H)	260*129*82.5mm	260*129*82.5mm	285*179*82.5mm	425*179*82.5mm
	NET. WEIGHT	2.0kg	2.0kg	2.8kg	4.4kg
	GROSS WEIGHT(WITH CABLE)	2.2kg	2.2kg	3.0kg	5.0kg

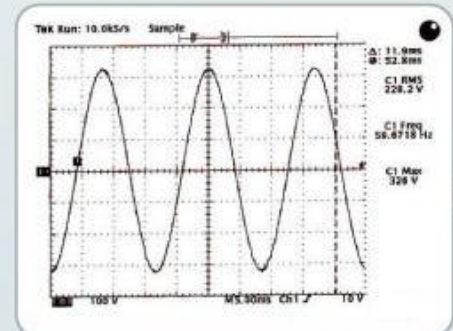
## wave of oscilloscope



No Load



Resistance Load



Induction Load