

PURE SINE WAVE INVERTERS

Characteristics

- High reliability
- Low rate failure
- Technology intelligent control with dual CPU SCM, and the SMD components
- Equipment small and light
- Pure sine wave output with high load carrying capacity, wide range of applications

- Protection functions:
 - Overload protection
 - Protection against overheating
 - Protection of output short circuit
 - Input protection of low voltage
 - Input Protection Surge

- Intelligent control of cooling fan: Using CPU to control the operating status of fans extends the life of the fans, saves energy and improves work efficiency.
- Low noise with high efficiency while working

- Applications:
 - All types of vehicles: cars, boats, military vehicles, police cars, ambulances, ships, etc. ..
 - Industrial equipment: solar energy, wind power, gas discharge lamp, etc ...
 - Offices: computer, printer, scanner, digital camera, etc. ...
 - Kitchen appliances: refrigerator, microwave, induction cooker, refrigerator, etc ...
 - Appliances: fans, vacuum cleaner, AC, lamps, lighting, etc ...
 - Tools: electric saw, drilling machines, air compressors, etc ...



CHARACTERISTICS		150W	300W	500W	1000W	1500W	2000W	3000W	4000W	5000W	6000W	8000W
Input	DC Voltage	12V / 24V / 48V / 120V										
	Voltage Range	10-15VDC / 21-30VDC / 42-60VDC / 100-120VDC										
	Minimum Current	> 0,5A	> 0,5A	> 0,5A	> 0,8A	> 0,8A	> 1,0A	> 1,2A	> 1,86A	> 1,86A	> 1,9A	> 3,5A
	Efficiency	> 85%										
	DC Connector	Cables With Clips or Car Adaptor										
Output	AC Voltage	100 -120 VAC / 220-240 VAC										
	Continuous Power	150 W	300 W	500 W	1 kW	1,5 kW	2 kW	3 kW	4 kW	5 kW	6 kW	8 kW
	Surge Power	300 W	600 W	1 kW	2 kW	3 kW	4 kW	6 kW	8 kW	10 kW	12 kW	16 kW
	Waveform	Pure Sine Wave										
	Frequency	50 / 60 Hz										
	AC Regulation	3%										
Protection	Low Voltage Alarm	10 VDC ± 0.5 V / 20.5 VDC ± 1V / 44 VDC ± 1V / 100 VDC ± 1 V										
	Low Voltage Shut Down	9.5 VDC ± 0.5V / 19.5 VDC ± 1V / 42 VDC ± 1V / 96 VDC ± 5V										
	Overload	Shut Off Output										
	Over Voltage Shut Down	15.5 V / 30.5 V / 61.2 V / 120 V										
	Over Thermal	Shut Off Output Automatically										
	Fuses	Short Circuit										
Environ- -ment	Working Temperature	-10°C and +50°C										
	Working Humidity	20%~90% RH non-condensing										
	Storage Temperature	-30°C - +70°C										
	Start	Soft Start										
	Cooling Ways	Cooling Fan										
	Total Harmonic Distortion (THD)	< 5%										
Pack	Dimensions (mm)	180*105 *60	180*105 *60	260*165 *85	328*165 *85	328*165 *85	475*165 *85	417*150 *153	435*199 *146	544*199 *146	544*199 *146	544*199 *146
	Box dimensions (mm)	245*122 *70	245*122 *70	307*238 *145	366*238 *145	366*238 *145	503*238 *145	480*210 *205	565*285 *235	665*285 *235	665*285 *235	665*285 *235
	Net Weight (kg)	0.86	0.86	2.46	3.32	3.56	5.13	6.03	9.7	11.9	12.1	15.0
	Gross Weight (kg)	1.03	1.03	3	3.85	4.1	4.1	6.77	11.65	13.7	15.0	17.9