

# 500w inverter with battery charger

- I A microprocessor controls self-diagnosis and operation
- II Can parallel with the utility AC to generate up to 4000w
- III Battery charger current 20A Max. @12VDC, @24VDC, @48v Provide 10A 5A 2.5A;
- IV Built-in 30A rated bypass switch;
- V Power sharing function between charger and load;
- VI Fan failure alarm with buzzer;
- VII DIP switch and remote control management;
- VIII DC Input protection: reversed polarity/under voltage/over protection;
- IX AC Output protection: short circuit/overload/over temperature protection

Model		KSC500P
Output	Continuous Output Power	500W
	Surge power	Load 101%-115% 10 Min 1000w
	Frequency	50Hz/60Hz setting by factory
	Output Voltage	115VAC-120VAC
	Efficiency Full Load	>86% At DC 24V
	Short-circuit Protection	Yes
	Waveform	True sine wave THD<5%
Input	Nominal voltage	12V DC
	Input Voltage Range	21.6-31V DC
	Input Over-voltage Protection	30.6-31.4V DC
	Input Under-voltage Protection	20-20.8V DC
	No load current	0.45A
Protection	BAT. Low Alarm	21.2-22V DC
	BAT. Low Shutdown	20-20.8V DC
	DC Input Protection	Reverse Polarity/Under voltage/Over voltage protection
	AC Output Protection	Short circuit/overload/over temperature protection
	Temperature Protection	Shutdown above +75°C
DC Output	Charging Current Range	2-10A
	Max.Output Voltage	29.6V DC
	Absorption Voltage	29.2V DC
	Float Voltage	27.6V DC
AC Input	Nominal Voltage/Frequency	115v/60Hz
	Input Voltage Range	90-130V AC
	Input Frequency Range	60Hz±1
	Nominal Current	31A @115V AC
	Efficiency Full Load	>85%
	Power Factor Correction	PFC>0.98 40% Load
Bypass Relay	Relay Specification	30Amp
Environment	Working Temp.	0°C-75°C
	Full Load	25°C-35°C
	Storage Temp.	-30°C-70°C
	Working Humidity	0-93% RH Non-condensing
Other	Failure Indication	Buzzer alarm
	Fan on/off	Load and temperature control fan
	Power Sharing Function	Inverter mode/Charger mode/Power sharing Generator mains support function/Power support/Charger Sharing
	Dimension W*H*D	480*220*150mm
	Packing	13.6KG
	Application	Home and office applications, portable power equipment, vehicle and yacht, ect.