



## Features :

- A microprocessor controls self-diagnosis and operation
- Can parallel with the utility AC to generate up to 3000W
- Battery charger current 20A Max. @12VDC, @24VDC Provide 10A
- Built-in 30A rated bypass switch
- Power sharing function between charger and load
- Fan failure alarm with buzzer
- DIP switch and remote control management
- DC Input Protection: Reverse Polarity / Under Voltage / Over Voltage Protection
- AC Output Protection: Short Circuit / Overload / Over Temperature Protection

MODEL		KSC3000-112	KSC3000-124	KSC3000-212	KSC3000-224
Output	Continuous Output Power	3000W			
	Surge Power	Load 101% ~ 115% 10 Min. 6000W			
	Frequency	50Hz/60Hz Setting by Factory			
	Output Voltage	115VAC ~ 120VAC		220VAC ~ 240VAC	
	Efficiency Full Load	> 84% At DC 12V	> 86% At DC 24V	> 85% At DC 12V	> 88% At DC 24V
	Short-Circuit Protection	Yes			
	Waveform	True Sine Wave THD < 5%		True Sine Wave THD < 5%	
Input	Nominal Voltage	12VDC	24VDC	12VDC	24VDC
	Input Voltage Range	10.8 ~ 15.5VDC	21.6 ~ 31VDC	10.8 ~ 15.5VDC	21.6 ~ 31VDC
	Input Over-Voltage Protection	15.3 ~ 15.7VDC	30.6 ~ 31.4VDC	15.3 ~ 15.7VDC	30.6 ~ 31.4VDC
	Input Under-Voltage Protection	10 ~ 10.4VDC	20 ~ 20.8VDC	10 ~ 10.4VDC	20 ~ 20.8VDC
	No Load Current	0.85A	0.45A	0.85A	0.45A
Protection	BAT. Low Alarm	10.6~11VDC	21.2~22VDC	10.6~11VDC	21.2~22VDC
	BAT. Low Shutdown	10 ~ 10.4VDC	20 ~ 20.8VDC	10 ~ 10.4VDC	20 ~ 20.8VDC
	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	4 ~ 20A	2~10A	4 ~ 20A	2~10A
	Max. Output Voltage	14.8VDC	29.6VDC	14.8VDC	29.6VDC
	Absorption Voltage	14.6VDC	29.2VDC	14.6VDC	29.2VDC
	Float Voltage	13.8VDC	27.6VDC	13.8VDC	27.6VDC
AC Input	Nominal Voltage / Frequency	115VAC / 60Hz		230VAC / 50Hz	
	Input Voltage Range	90 ~ 130VAC		180 ~ 260VAC	
	Input Frequency Range			43 ~ 67Hz	
	Nominal Current	31A @115VAC		16 A @230VAC	
	Efficiency Full Load	> 85%		> 87%	
	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 WxHxD	410 x 220 x 145mm			
	Packing	10kg; 1pcs / 11.5kg			
	Application	Home and Office appliances, Portable Power Equipment, Vehicle and Yacht etc.			