300W Pure Sine Wave Inverter/Charger KPC300 series KongS * Iai





Overview

The KPC300 series Inverter/Charger offers a complete power conversion system—DC to AC, battery charging, and an AC Transfer Switch—and can be used for stand-alone or back-up applications.

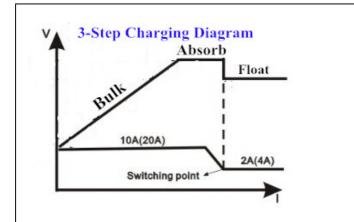
Features&Benefits:

- •Rated power:300W
- Peak power:450W for 10sec,600w for 2sec
- Pure sine wave output
- •Battery charger current 10A Max
- Protection: Input reverse polarity/Bat. Low shutdown/Over voltage/Over load/Over temperature/Output short
- Variable speed fan controlled by temperature and load
- •3-Stage battery charge
- •One year warranty

Specification:

Items		KPC300-112	KPC300-124	KPC300-212	KPC300-224
	AC Voltage	100V/110V/115V/120V 220V/230V/240V			OV
Inverter	Continuous Power	300W	300W	300W	300W
	Surge Power(10sec)	450W	450W	450W	450W
	Peak Power(2sec)	600W	600W	600W	600W
	Output Waveform/Distortion	Pure Sine Wave, THD≤ 4%			
	Frequency	60Hz+/-1Hz		50Hz+/-1Hz	
	Efficiency	88%	89%	88%	89%
	No Load Current Draw	0.36A	0.18A	0.36A	0.18A
	DC Input Voltage	12V	24V	12V	24V
	Input Voltage Range	10.8–15.5V	21.6-31V	10.8–15.5V	21.6-31V
	Low Battery Voltage Alarm	10.8±0.2V	21.6±0.4V	10.8±0.2V	21.6±0.4V
	Low Battery Voltage Shutdown	10.2±0.2V	20.4±0.4V	10.2±0.2V	20.4±0.4V
	High Battery Voltage Shutdown	15.5±0.2V	31±0.4V	15.5±0.2V	31±0.4V
	AC Output Receptacle	A B C D E F USA AUSTRALIA UNIVERSAL U.K FRANCE GERMANY			
Charger	Max Charging Current	10A	5A	10A	5A
	Charge Voltage(Absorb Charging)	14.6V	29.2V	14.6V	29.2V
	Charge Voltage(Float Charging)	13.8V	27.6V	13.8V	27.6V
	AC Input Voltage	90V-120V 180V-260V			
	Frequency	45Hz-65Hz			
	Charging Type	3-step charging: Bulk/Absorb/Float charging			
	Transfer time(Utility-to-Battery)	<16ms			

	Recommended Battery Type	Lead Acid		
	Recommended Battery Size	40AH—200AH		
	Overload Shutdown	Shut down o/p voltage, re-power on to recover		
	Over Temperature Shut down	≥45°C or ≥40% rated power, cooling fan open;≥75°C,Shut off.		
Protection	Short Circuit Protection	Shut down o/p voltage, re-power on to recover		
	Reverse Polarity Protection	By external fuse open		
	LED Indicator	Inverter, Charging, Fully charged, Fault		
	Cooling Fan	Temperature and Load controlled variable speed fans		
	USB:5V,500mA/1000mA	N/A		
General	Remote Control	N/A		
	Casing	Blue/Black or customized Aluminium		
	Ground Chassis	Properly grounds to vehicle grounding system or to earth ground.		
Variable speed fan	Fan don't run	Load<40% or inner temperature less than 30°C,		
controlled by	Fan's rotational speed is 40%	40%≤Load<60%		
temperature and	Fan's rotational speed is 60%	60% <load<80%< th=""></load<80%<>		
load	Fan's rotational speed is 80%	80% <load<100%< th=""></load<100%<>		
	Fan's rotational speed is 100%	100%≤Load or Inner temperature is more than 45°C		
		•-•-o-o-o-o-o Buzzer sound 2times and Red light blink 2times		
	Low Battery Alarm	every 8sec.		
	Low Battery Shutdown	•-•-•-o-o-o-o Buzzer sound 3times and Red light blink 3times		
		every 8sec.		
Buzzer/LED	Over Voltage Shutdown	•-•-•-o-o-o-o-o-o-o-o-o-o-o-o-o-o-o-o-o		
		every 8sec.		
	Over temperature Shutdown	•-•-•-o-o-o-o-o-o-o-o-o-o-o-o-o-o-o-o-o		
		every 8sec.		
	Short Circuit/Overload Shutdown	•-•-•-•Red light blink constantly		
T	Working Temp, Humidity	-40°C to +45°C, 0% ~ 90% RH non-condensing		
Environment	Storage Temp, Humidity	30°C∼+70°C/-22∼+158°F, 10%∼95% RH		
	Unit Dimension/Weight	23*15*5.2cm(L*W*H),2.1KGS		
Mechanical	Master Carton	42*34*45cm(L*W*H),15KGS,6piece/CTN		
	Certificates	CE-LVD,CE-EMC,RoHS		
	Battery Cable	Allgate Cip OT Cable Kit		
Accessories	Power Cable			
	Manual	1x Instruction/Specification Booklet		



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