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PSQ3000W Series Pure Sine Wave Inverter

Features

- Pure sine wave output (THD < 3%) R Load
- Output frequency : 50 / 60Hz switch
- Loading & Temperature controlled 3-speed cooling fan
- Advanced microprocessor
- Protection: Input Undervoltage
Input Overvoltage
Overload
Short circuit
Low battery alarm
Over temperature

Electrical Performance : 3000W

Specification	Model					
Item	YK-PSQ 12300	YK-PSQ 24300	YK-PSQ 48300	YK-PSQ 12300E	YK-PSQ 24300E	YK-PSQ 48300E
Continuous Output Power	3000W					
Maximum Output Power	3150W (3 mins)					
Surge Rating	6000W					
Input Voltage	12V	24V	48V	12V	24V	48V
Input Voltage Range	10-16 VDC	20-32 VDC	42-62 VDC	10-16 VDC	20-32 VDC	42-62 VDC
DC Input over voltage alarm	15.5VDC	31.0VDC	61.0VDC	15.5VDC	31VDC	61.0VDC
DC Input over voltage shut-down	16.0VDC	32.0VDC	62.0VDC	16.0VDC	32.0VDC	62.0VDC
DC Input under voltage alarm	10.5VDC	21.0VDC	43.0VDC	10.5VDC	21.0VDC	43.0VDC
DC Input under voltage shut-down	10.0VDC	20.0VDC	42.0VDC	10.0VDC	20.0VDC	42.0VDC
Output Voltage	100/110/115/120V(Switch Selectable) RMS±3%			200/220/230/240V(Switch Selectable) RMS ±3%		
Frequency	50/60Hz ± 0.05% (Switch Selectable)					
Peak Output Current	55A			27A		
Efficiency (full load)	86%	88%	89%	87%	90%	92%
No load Current Draw	1.60A	0.80A	0.40A	1.65A	0.83A	0.42A
Output Waveform	R Load Pure Sine Wave < 3% THD					
Protection	Overload, Short Circuit, Reverse Polarity (fuse), Input Undervoltage, Input Overvoltage, Over Temperature.					
LED light	Power, OLP, OVP/UVP, OTP					
Safety	Comply with EN60950-1					
EMC	FCC			EN 55022:2010+AC:2011, Class B EN 55024:2010 IEC 61000-4-2 Ed. 2.0: 2008 IEC 61000-4-3 Ed. 3.2: 2010 IEC 61000-4-8 Ed. 2.0: 2009		
RS232 interface	Optional					
Power Saving	Optional					
Safety	Comply with EN60950-1					
Operating Temperature Range	-20°C to 50°C					
Storage Temperature Range	-30°C to 70°C					
Cooling fans	Loading and Temperature controlled 3-speed cooling fan Temperature controlled:40°C---low speed cooling fan, 50°C---middle speed cooling fan, 60°C---fast speed cooling fan; Loading controlled: 250W---low speed cooling fan, 1000W---middle speed cooling fan, 2000W---fast speed cooling fan					
Dimensions	436(L) × 188.6(W) × 94.2 (H) mm					
Weight	7.3kgs					

The specifications are subject to change without notice.