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PSW5000W Series Pure Sine Wave Inverter

Features

- Pure Sine Wave output (THD < 3%) R Load
- Output frequency: 50/60Hz switch
- Low power “Power Saving Mode” to conserve energy
- RS – 232C interface / remote control port / wire connection to PC
- Wired remote control
- Loading and Temperature controlled cooling fan
- Advanced microprocessor
- Protection : Input Undervoltage
Input Overvoltage
Overload
Short circuit
Low battery alarm
Over temperature

Electrical Performance : 5000W

Specification	Model							
Item	YK-PSW 24500	YK-PSW 48500	YK-PSW 110500	YK-PSW 220500	YK-PSW 24500E	YK-PSW 48500E	YK-PSW 110500E	YK-PSW 220500E
Continuous Output Power	5000W							
Maximum Output Power	5200W (3 mins)							
Surge Rating	10000W							
Input Voltage	24V	48V	110V	220V	24V	48V	110V	220V
Input Voltage Range	20-32 VDC	42-62 VDC	90-140 VDC	180-275 VDC	20-32 VDC	42-62 VDC	90-140 VDC	180-275 VDC
DC Input over voltage alarm	31VDC	61VDC	135VDC	270VDC	31VDC	61VDC	135VDC	270VDC
DC Input over voltage shut-down	32VDC	62VDC	140VDC	275VDC	32VDC	62VDC	140VDC	275VDC
DC Input under voltage alarm	21VDC	43VDC	95VDC	185VDC	21VDC	43VDC	95VDC	185VDC
DC Input under voltage shut-down	20VDC	42VDC	90VDC	180VDC	20VDC	42VDC	90VDC	180VDC
No load Current Draw	1.64A	0.82A	0.42A	0.24A	1.30A	0.68A	0.35A	0.18A
Output Voltage Adjustment	100 ~ 120V (Tune VR)				200~240V (Tune VR)			
Frequency	50/60Hz ± 0.05% (Switch Selectable)							
Peak Output Current	91A				45A			
Efficiency (full load)	85%	87%	90%	92%	90%	92%	94%	94%
Stand by Current Draw	≤ 1.5W Power Saving Mode							
Output Waveform	R Load Pure Sine Wave < 3% THD							
Protection	Overload, Short Circuit, Reverse Polarity (fuse), Input Undervoltage, Input Overvoltage, Over Temperature							
Digital Display	OVP, UVP, OTP, OLP, VAC, AMP, WATT, VDC, TEMP, Hz							
Safety	EN60950-1							
EMC	FCC Class A				EN 55022:2006, Class A EN 55024:1998+A1:2001+A2:2003 EN 61000-3-2:2006 EN 61000-3-3:1995+A1:2001+A2:2005			
Power Saving Recovery Time	8 seconds							
Interface Control Unit	RS-232C with Baud Rate 2400, 4800, 9600, 19200 (Switch Selectable)							
Remote Control Unit	Optional							
Operating Temperature Range	-20°C to 50°C							
Storage Temperature Range	-30°C to 70°C							
Cooling	Loading and Temperature controlled cooling fan							
Dimensions	496(L) × 324(W) × 142 (H) mm							
Weight	18kgs							

The specifications are subject to change without notice.