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PST5000W Series Pure Sine Wave Inverter

Features

- Pure Sine Wave output (THD < 3%) R Load
- Output frequency: 50/60Hz switch
- RS – 232 interface / remote control port / wire connection to PC
- Bypass Function
- 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: 3000W Pure Sine Wave Inverters + Bypass Function(STS)

Specification	Model							
Item	YK-PST 24500	YK-PST 48500	YK-PST 110500	YK-PST 220500	YK-PST 24500E	YK-PST 48500E	YK-PST 110500E	YK-PST 220500E
Continuous Output Power	5000W							
Surge Rating	5200W (3mins)							
Peak	10000W							
Input Voltage	24V	48V	110V	220V	24V	48V	110V	220V
Frequency	50/60Hz ± 0.05% (Switch Selectable)							
Output Voltage Adjustment	100~120VAC (Tune VR)				200~240VAC (Tune VR)			
Peak Output Current	91A				45A			
Efficiency (full load)	85%	87%	90%	92%	90%	92%	94%	94%
No load Current Draw	1.64A	0.82A	0.42A	0.24A	1.30A	0.68A	0.35A	0.18A
Output Waveform	R Load Pure Sine Wave < 3% THD							
P.F.	1.0				1.0			
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
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	Meet EN60950-1							
EMC	FCC Class A				EN 55022:2006+A1:2007, Class A EN 55024:1998+A1:2001+A2:2003 EN 61000-3-2: 2006 EN 61000-3-3: 1995+A1: 2001+A2: 2005			
Interface Control Port	RS-232 With Baud Rate 2400, 4800, 9600, 19200 (Switch Selectable)							
Remote Control Unit	Optional							
AC Input	110VAC				220VAC			
AC Frequency	(50Hz ~ 60 Hz) ± 3%				(50Hz ~ 60 Hz) ± 3%			
Bypass	4~6ms				4~6ms			
Operating Temperature Range	-20°C to 50°C							
Storage Temperature Range	-30°C to 70°C							
Dimensions	496(L) ×324(W) ×142(H) mm							
Cooling	Loading and Temperature controlled cooling fan							
Weight	18kgs							

The specifications are subject to change without notice