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PST3000W 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 12300	YK-PST 24300	YK-PST 48300	YK-PST 110300	YK-PST 220300	YK-PST 12300E	YK-PST 24300E	YK-PST 48300E	YK-PST 110300E	YK-PST 220300E
Continuous Output Power	3000W									
Surge Rating	3200W									
	3500W									
Peak	6000W									
Input Voltage	12V	24V	48V	110V	220V	12V	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	54A					27A				
Efficiency (full load)	86%	88%	89%	94%	94%	87%	90%	92%	94%	94%
No load Current Draw	1.50A	0.82A	0.39A	0.16A	0.11A	2.20A	1.08A	0.55A	0.28A	0.12A
Output Waveform	R Load Pure Sine Wave < 3% THD									
P.F.	1.0					1.0				
Input Voltage Range	10-16 VDC	20-32 VDC	42-62 VDC	90-140 VDC	180-275 VDC	10-16 VDC	20-32 VDC	42-62 VDC	90-140 VDC	180-275 VDC
DC Input over voltage alarm	15.5VDC	31.0VDC	61.0VDC	135.0VDC	270.0VDC	15.5VDC	31.0VDC	61.0VDC	135.0VDC	270.0VDC
DC Input over voltage shut-down	16.0VDC	32.0VDC	62.0VDC	140.0VDC	275.0VDC	16.0VDC	32.0VDC	62.0VDC	140.0VDC	275.0VDC
DC Input under voltage alarm	10.5VDC	21.0VDC	43.0VDC	95.0VDC	185.0VDC	10.5VDC	21.0VDC	43.0VDC	95.0VDC	185.0VDC
DC Input under voltage shut-down	10.0VDC	20.0VDC	42.0VDC	90.0VDC	180.0VDC	10.0VDC	20.0VDC	42.0VDC	90.0VDC	180.0VDC
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				
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	445(L) x424(W) x88(H) mm									
Cooling	Loading and Temperature controlled cooling fan									
Weight	14.3kgs									

The specifications are subject to change without notice.