



PSW3000W 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 : 3000W

Specification	Model									
Item	YK-PSW 12300	YK-PSW 24300	YK-PSW 48300	YK-PSW 110300	YK-PSW 220300	YK-PSW 12300E	YK-PSW 24300E	YK-PSW 48300E	YK-PSW 110300E	YK-PSW 220300E
Continuous Output Power	3000W									
Maximum Output Power	3200W (3 mins)									
Surge Rating	6000W									
Input Voltage	12V	24V	48V	110V	220V	12V	24V	48V	110V	220V
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	135VDC	270VDC	15.5VDC	31VDC	61.0VDC	135VDC	270VDC
DC Input over voltage shut-down	16.0VDC	32.0VDC	62.0VDC	140VDC	275VDC	16.0VDC	32.0VDC	62.0VDC	140VDC	275VDC
DC Input under voltage alarm	10.5VDC	21.0VDC	43.0VDC	95VDC	185VDC	10.5VDC	21.0VDC	43.0VDC	95VDC	185VDC
DC Input under voltage shut-down	10.0VDC	20.0VDC	42.0VDC	90VDC	180VDC	10.0VDC	20.0VDC	42.0VDC	90VDC	180VDC
Output Voltage Adjustment	100 ~ 120V (Tune VR)					200~240V (Tune VR)				
Frequency	50/60Hz ± 0.05% (Switch Selectable)									
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	2.2A	1.08A	0.55A	0.28A	0.12A
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					EN55022:2010+AC:2011, Class A EN55024: 2010 EN61000-3-2: 2006+A2:2009 EN61000-3-3: 2013				
Power Saving Recovery Time	8 seconds									
Interface Control Unit	RS-232 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	454.6(L) × 283(W) × 101.2 (H) mm									
Weight	10.6kgs									

The specifications are subject to change without notice