

# PS3000 Series

DC/AC Pure Sinewave Inverter 19" rack mount 2RU 3KVA



**2U 19" Rack-mount Model**

## **PSW3000 Series Pure Sine Wave Inverter**

## 1. Features

- Pure sine wave output (THD < 3%) R Load
- By pass function
- Output frequency : 50 / 60Hz switch
- RS – 232 interface / Remote controls port / Wire connection to PC
- Wired Remote control
- Loading controlled cooling fan
- Advanced microprocessor
- Protection:   Input Undervoltage  
                  Input Overvoltage  
                  Reverse Polarity (Fuse)  
                  Overload  
                  Short circuit  
                  Over temperature

### 1-1 Utilities Application

1-1-1 Power tools – circular saws, drills, grinders, sanders, buffers, weed and hedge trimmers, air compressors.

1-1-2 Office equipment – computers, printers, monitors, facsimile machines, scanner.

1-1-3 Household items – vacuum cleaners, fans, fluorescent and incandescent lights, shavers, sewing machines.

1-1-4 Kitchen appliances – microwave ovens, refrigerators and freezers, coffee makers, blenders, ice markers, toasters.

1-1-5 Industrial equipment – metal halide lamp, high – pressure sodium lamp.

1-1-6 Home entertainment electronics – television, VCRs, video games, stereos, musical instruments, satellite equipment.

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Specification	Model									
PSW3000-	12V-110	24V-110	48V-110	110V-110	220V-110	12V-230	24V-230	48V-230	110V-230	220V-230
Continuous Output Power	3000W									
Surge Rating	3Min.		3200W							
	3Sec.		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 *1	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), Over/Under Input Voltage, 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-232C With Baud Rate 2400, 4800, 9600, 19200 (Switch Selectable)									
Remote Control	Optional		Can't support			Optional		Can't support		
AC Input	110VAC (90V-130V)					220VAC (180V-260V)				
AC Frequency	(50Hz ~ 60 Hz) ± 3%					(50Hz ~ 60 Hz) ± 3%				
Bypass	4~10ms					4~10ms				
Operating Temperature Range	-20°C to 50°C									
Storage Temperature Range	-30°C to 70°C									
Cooling	Loading controlled cooling fan									
Dimensions	445(L) × 424(W) × 88(H) mm									
Weight	14.3kgs									

\*1 For 110VDC input models input range can be changed to 80-140VDC , add -ER to model number.

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## 1-3 Mechanical Drawings

