

PSW2000 SERIES

DC/AC Inverters Pure Sinewave 2KVA 2RU



19" Rack-mount Inverters 2RU

PSW2000 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									
PSW2000-		12V-110	24V-110	48V-110	110V-110	220V-110	12V-230	24V-230	48V-230	110V-230	220V-230
Continuous Output Power		2000W									
Surge Rating	3Min	2300W									
	3Sec.	2500W									
Peak		4000W									
Input Voltage		12V	24V	48V	110V	220V	12V	24V	48V	110V	220V
Frequency		50/60Hz ± 0.05% (Switch Selectable)									
Peak Output Current		36A					18A				
Efficiency (full load)		86%	88%	89%	94%	94%	87%	90%	92%	94%	94%
No Load Current Draw		1.25A	0.56A	0.32A	0.38A	0.18A	1.79A	0.87A	0.40A	0.40A	0.20A
Output Waveform		R Load Pure Sine Wave <3% THD									
Output Voltage Adjustment		100 ~ 120V (Tune VR)					200~240V (Tune VR)				
P.F.		1.0					1.0				
Input Voltage Regulation		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	31VDC	61VDC	135VDC	270VDC	15.5VDC	31VDC	61VDC	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
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 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			Can't support		Optional			Can't support	
AC Input		110V AC (90V-130V)					220V AC (180V-260V)				
AC Frequency		(50Hz ~ 60 Hz) ± 3%					(50Hz ~ 60 Hz) ± 3%				
Bypass		4~10ms					4~10ms				
Operating Temperature		-20°C to 50°C									
Storage Temperature		-30°C to 70°C									
Cooling		Loading controlled cooling fan									
Dimensions		435(L) ×424(W) ×88(H) mm									
Weight		12.8kgs									

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1-3 Mechanical Drawings

