

DC-AC INVERTERS

**POWER
SOLVE**

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PSWI Series Pure Sine Wave 1500 to 3000 Watts

Features:

- 12V, 24V, 48V, 110V or 220V DC Inputs
- High Surge Rating
- 50/60 Hz Pure Sine Wave Output
- 100-120 or 200-240VAC Output Voltage
- Very Low Stand-by Current



Electrical Specification

DC Inputs:	12V, 24V, 48V, 110V, 220V DC (see table below)
Output Voltage:	100 to 120VAC (tune VR) or 200-240VAC (tune VR)
Output Frequency:	50/60Hz switch selectable
Output Power:	1500, 2000 or 3000 Watts (see table below)
Peak Output Current(120/240VAC):	25A/11A 1500W, 35A/16A 2000W & 54A/27A 3000W
Standby Current (power saving mode):	Approximately 1.5 Watts all models
Output Waveform:	R Load pure sinewave <3% THD
Protection:	Overload, short circuit, reverse polarity (fuse), over/under input voltage, over temperature
Digital Display:	OVP, UVP, OTP, OLP, VAC, Amps, Watts, VDC, Temp, Hz
Power Saving Recovery Time:	8 seconds
Interface Control Port:	RS232 baud rate 2400, 4800, 9600, 19200 switch select
Remote Control Unit (not on 1500W):	Optional (RF Remote Control or Wire Control)
Operating Temperature Range:	-20°C to +55°C
Storage Temperature Range:	-30°C to +70°C
Cooling:	Thermostatically controlled integral fan
Dimensions (in mm):	1500W & 2000W 413L X 278W X 102H 3000W 455L X 283W X 101.2H
Output Socket:	Optional, UK, Euro, USA, Australia & NZ or Universal
Weight:	1500W & 2000W 7.2kgs, 3000W 10.6kgs
Safety:	EN60950-1, UL458 on 1500W 120VAC output model
EMC:	1500W & 2000W Models FCC 'B', EN55022'B', EN55024, EN61000-3-2, EN61000-3-3, EN61000-4-2, -4-3, -4-4, -4-6, -4-8 E-Mark E9-10R-02,6033 3000W Model FCC'A', EN55022'A', EN61000-3-2, EN61000-3-3

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Input & Output Ratings

Model	DC Input	AC Output	Power Cont.	Power Surge	Input OV Alarm	Input OV Shutdown	Input UV Alarm	Input UV Shutdown	Efficiency Full Load	No Load Current
PSWI-1500-12-110	10-16V DC	110V AC	1500W	3000W	15.5V DC	16.0V DC	10.5V DC	10.0V DC	86%	1.2A
PSWI-1500-12-220	10-16V DC	220V AC	1500W	3000W	15.5V DC	16.0V DC	10.5V DC	10.0V DC	87%	1.60A
PSWI-1500-24-110	20-32V DC	110V AC	1500W	3000W	31.0V DC	32.0V DC	21.0V DC	20.0V DC	88%	0.55A
PSWI-1500-24-220	20-32V DC	220V AC	1500W	3000W	31.0V DC	32.0V DC	21.0V DC	20.0V DC	90%	0.7A
PSWI-1500-48-110	42-62V DC	110 VAC	1500W	3000W	61.0V DC	62.0V DC	43.0V DC	42.0V DC	89%	0.3A
PSWI-1500-48-220	42-62V DC	220V AC	1500W	3000W	61.0V DC	62.0V DC	43.0V DC	42.0V DC	92%	0.36A
PSWI-2000-12-110	10-16V DC	110V AC	2000W	4000W	15.5V DC	16.0V DC	10.5V DC	10.0V DC	86%	1.4A
PSWI-2000-12-220	10-16V DC	220V AC	2000W	4000W	15.5V DC	16.0V DC	10.5V DC	10.0V DC	87%	1.8A
PSWI-2000-24-110	20-32V DC	110V AC	2000W	4000W	31.0V DC	32.0V DC	21.0V DC	20.0V DC	88%	0.75A
PSWI-2000-24-220	20-32V DC	220V AC	2000W	4000W	31.0V DC	32.0V DC	21.0V DC	20.0V DC	90%	0.9A
PSWI-2000-48-110	42-62V DC	110V AC	2000W	4000W	61.0V DC	62.0V DC	43.0V DC	42.0V DC	89%	0.5A
PSWI-2000-48-220	42-62V DC	220V AC	2000W	4000W	61.0V DC	62.0V DC	43.0V DC	42.0V DC	92%	0.57A
PSWI-2000-110-110	90-140V DC	110V AC	2000W	4000W	135.0V DC	140.0V DC	95.0V DC	90.0V DC	94%	0.32A
PSWI-2000-110-220	90-140V DC	220V AC	2000W	4000W	135.0V DC	140.0V DC	95.0V DC	90.0V DC	94%	0.46A
PSWI-2000-220-110	180-275V DC	110V AC	2000W	4000W	270.0V DC	275.0V DC	185.0V DC	180.0V DC	94%	0.28A
PSWI-2000-220-220	180-275V DC	220V AC	2000W	4000W	270.0V DC	275.0V DC	185.0V DC	180.0V DC	94%	0.38A
PSWI-3000-12-110	10-16V DC	110 VAC	3000W	6000W	15.5V DC	16.0V DC	10.5V DC	10.0V DC	86%	1.25A
PSWI-3000-12-220	10-16V DC	220V AC	3000W	6000W	15.5V DC	16.0V DC	10.5V DC	10.0V DC	87%	1.79A
PSWI-3000-24-110	20-32V DC	110V AC	3000W	6000W	31.0V DC	32.0V DC	21.0V DC	20.0V DC	88%	0.56A
PSWI-3000-24-220	20-32V DC	220V AC	3000W	6000W	31.0V DC	32.0V DC	21.0V DC	20.0V DC	90%	0.87A
PSWI-3000-48-110	42-62V DC	110V AC	3000W	6000W	61.0V DC	62.0V DC	43.0V DC	42.0V DC	89%	0.32A
PSWI-3000-48-220	42-62V DC	220V AC	3000W	6000W	61.0V DC	62.0V DC	43.0V DC	42.0V DC	92%	0.40A
PSWI-3000-110-110	90-140V DC	110V AC	3000W	6000W	135.0V DC	140.0V DC	95.0V DC	90.0V DC	94%	0.38A
PSWI-3000-110-220	90-140V DC	220V AC	3000W	6000W	135.0V DC	140.0V DC	95.0V DC	90.0V DC	94%	0.4A
PSWI-3000-220-110	180-275V DC	110V AC	3000W	6000W	270.0V DC	275.0V DC	185.0V DC	180.0V DC	94%	0.18A
PSWI-3000-220-220	180-275V DC	220V AC	3000W	6000W	270.0V DC	275.0V DC	185.0V DC	180.0V DC	94%	0.2A

For output connectors add suffix -UK after part number for 13A socket, -EU for Euro socket, -US or US-GFCI for USA socket, -AU for Australia/New Zealand or -UV for universal version.

Universal	Australia / New Zealand
	
United Kingdom	Continental European(SCHUKO)
	
North America(GFCI)	North America
	

DC Input Connectors as per photos below showing coloured screw terminals for 1500W and 2000W units and heavy duty bus bar for 3000W units. RS232 interface is via a 9 pin D type connector.



1500 & 2000 Watts



3000 Watts

Other options: RF or Wired Remote control unit - consult sales office for details