

DC-AC INVERTERS

**POWER
SOLVE**

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2UPSWI Series Pure Sine Wave 2000 & 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
- 2U 19" Rack Mounting



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:	2000W or 3000W continuous depending on model
Surge Rating:	2000W model, 2300W 3 mins, 2500W 3 secs & 4000W peak 3000W model, 3200W 3 mins, 3500W 3 secs & 6000W peak
Peak Output Current (120/240VAC):	25A/11A 2000W & 30A/15A 3000W
No Load Input Current:	See table
Output Waveform:	R Load pure sinewave <3% THD
Power Factor:	1.0
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
Interface Control Port:	RS232 baud rate 2400, 4800, 9600, 19200 switch select
Remote Control Unit:	Optional - consult sales office for details
AC Input (for UPS use):	Either nominal 110VAC or 220VAC, depending on model
AC Input Frequency:	50~60Hz \pm 3%
Bypass Switchover Time:	4~6mS
Operating Temperature Range:	-20°C to +50°C
Storage Temperature Range:	-30°C to +70°C
Cooling:	Thermostatically controlled integral fan
Dimensions (in mm):	424W X 435D X 88H
Output Socket:	Optional, UK, Euro, USA, Australia & NZ or Universal
Weight:	2000W 12.8kgs, 3000W 14.3kgs
Safety:	EN62368-1, UL458 on 1500W 120VAC output model
EMC:	2000W Models FCC 'A' (110V output), EN55022'A', EN55024, EN61000-3-2, EN61000-3-3, EN61000-4-2, -4-3, -4-4, -4-5, -4-6, -4-8, -4-11
	3000W Model FCC'A' (110V input), EN55022'A', EN61000-3-2, EN61000-3-3

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Input & Output Ratings

Model	DC Input	AC Output	Power Cont.	Input OV Alarm	Input OV Shutdown	Input UV Alarm	Input UV Shutdown	Efficiency Full Load	No Load Current
2UPSWI-2000-12-110	10-16V DC	110V AC	2000W	15.5V DC	16.0V DC	10.5V DC	10.0V DC	86%	1.45A
2UPSWI-2000-12-220	10-16V DC	220V AC	2000W	15.5V DC	16.0V DC	10.5V DC	10.0V DC	87%	1.47A
2UPSWI-2000-24-110	20-32V DC	110V AC	2000W	31.0V DC	32.0V DC	21.0V DC	20.0V DC	88%	0.70A
2UPSWI-2000-24-220	20-32V DC	220V AC	2000W	31.0V DC	32.0V DC	21.0V DC	20.0V DC	90%	0.80A
2UPSWI-2000-48-110	42-62V DC	110V AC	2000W	61.0V DC	62.0V DC	43.0V DC	42.0V DC	90%	0.47A
2UPSWI-2000-48-220	42-62V DC	220V AC	2000W	61.0V DC	62.0V DC	43.0V DC	42.0V DC	92%	0.57A
2UPSWI-2000-110-110	90-140V DC	110V AC	2000W	135.0V DC	140.0V DC	95.0V DC	90.0V DC	94%	0.38A
2UPSWI-2000-110-220	90-140V DC	220V AC	2000W	135.0V DC	140.0V DC	95.0V DC	90.0V DC	94%	0.40A
2UPSWI-2000-220-110	180-275V DC	110V AC	2000W	270.0V DC	275.0V DC	185.0V DC	180.0V DC	94%	0.18A
2UPSWI-2000-220-220	180-275V DC	220V AC	2000W	270.0V DC	275.0V DC	185.0V DC	180.0V DC	94%	0.20A
2UPSWI-3000-12-110	10-16V DC	110 VAC	3000W	15.5V DC	16.0V DC	10.5V DC	10.0V DC	84%	1.50A
2UPSWI-3000-12-220	10-16V DC	220V AC	3000W	15.5V DC	16.0V DC	10.5V DC	10.0V DC	85%	2.20A
2UPSWI-3000-24-110	20-32V DC	110V AC	3000W	31.0V DC	32.0V DC	21.0V DC	20.0V DC	86%	0.82A
2UPSWI-3000-24-220	20-32V DC	220V AC	3000W	31.0V DC	32.0V DC	21.0V DC	20.0V DC	88%	1.08A
2UPSWI-3000-48-110	42-62V DC	110V AC	3000W	61.0V DC	62.0V DC	43.0V DC	42.0V DC	87%	0.39A
2UPSWI-3000-48-220	42-62V DC	220V AC	3000W	61.0V DC	62.0V DC	43.0V DC	42.0V DC	90%	0.55A
2UPSWI-3000-110-110	90-140V DC	110V AC	3000W	135.0V DC	140.0V DC	95.0V DC	90.0V DC	94%	0.16A
2UPSWI-3000-110-220	90-140V DC	220V AC	3000W	135.0V DC	140.0V DC	95.0V DC	90.0V DC	94%	0.28A
2UPSWI-3000-220-110	180-275V DC	110V AC	3000W	270.0V DC	275.0V DC	185.0V DC	180.0V DC	94%	0.11A
2UPSWI-3000-220-220	180-275V DC	220V AC	3000W	270.0V DC	275.0V DC	185.0V DC	180.0V DC	94%	0.12A

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.



2000 Watts



3000 Watts

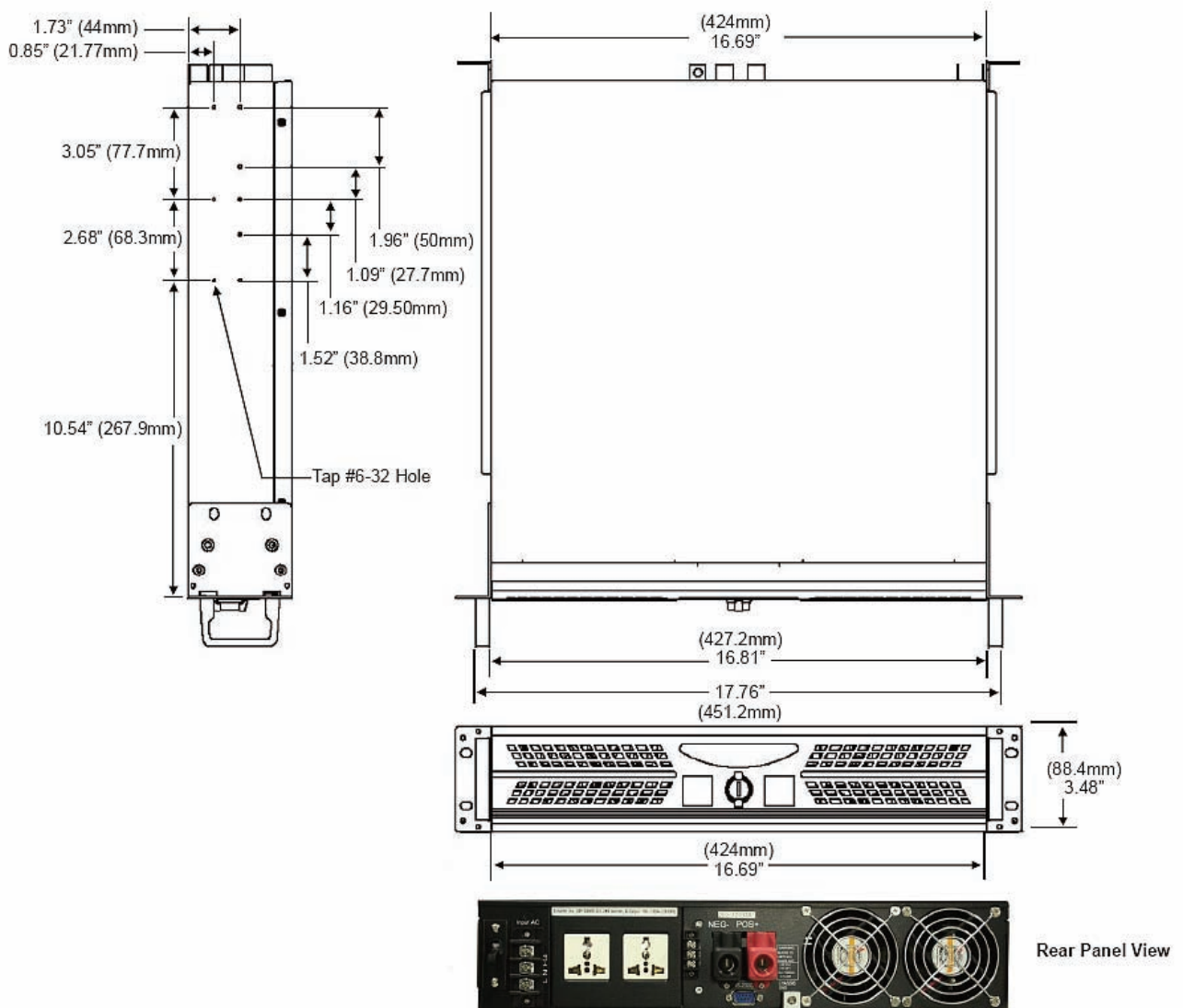
Other options: Remote control unit, Locking hinged front panel cover - consult sales office for details

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Mechanical Details



Dimensions in (mm) inches