

DC-AC INVERTERS

**POWER
SOLVE**

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1UPSWI Series Pure Sine Wave 1KVA & 2KVA

Features:

- 12V, 24V or 48V DC Inputs
- 50/60 Hz Pure Sine Wave Output
- 100-120 or 200-240VAC Output Voltage
- 1U 19" Rack Mounting



Electrical Specification

DC Inputs:	12V, 24V, 48V DC (see table below)
Output Voltage:	100/110/115/120V or 200/220/230/240V AC switch selectable
Regulation:	±3% RMS
Output Frequency:	50/60Hz switch selectable
Output Power:	850W (1kVA model) 1600W 12V input & 1700W 24V/48V input (2kVA model)
Surge Rating:	1kVA model, 900W 1 min, 950W 3 secs & 1000W 1 sec 2kVA model, 1870W 1 min, 2040W 20 secs
Peak Output Current (120/240VAC):	15A/9A 1kVA model & 25A/11A 2kVA model
No Load Input Current:	See table
Output Waveform:	R Load pure sinewave <3% THD
Power Factor:	1kVA models 0.85. 2kVA models 0.8 12V input, 0.85 others
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 selectable
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 ±3%
Bypass Switchover Time:	4~6mS
Operating Temperature Range:	-20°C to +60°C
Storage Temperature Range:	-30°C to +70°C
Cooling:	Thermostatically controlled integral fan
Dimensions (in mm):	424W X 417D X 44H (see drawing below)
Output Socket:	See below for options
Weight:	1kVA 7.5kgs, 2kVA 9kgs
Safety:	EN60950-1, UL60950-1 on 110VAC output model
EMC:	FCC 'B' (110V output), EN55022'B', EN55024, EN61000-3-2, EN61000-3-3, EN61000-4-2, -4-3, -4-4, -4-5, -4-6, -4-8, -4-11

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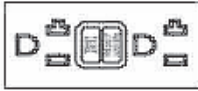
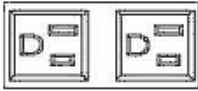

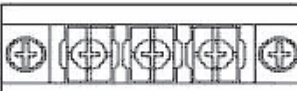


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Input & Output Ratings

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
1UPSWI-1KVA-12-110	10-16V DC	110V AC	850W	15.5V DC	16.0V DC	10.5V DC	10.0V DC	86%	0.75A
1UPSWI-1KVA-12-220	10-16V DC	220V AC	850W	15.5V DC	16.0V DC	10.5V DC	10.0V DC	87%	0.70A
1UPSWI-1KVA-24-110	20-32V DC	110V AC	850W	31.0V DC	32.0V DC	21.0V DC	20.0V DC	88%	0.40A
1UPSWI-1KVA-24-220	20-32V DC	220V AC	850W	31.0V DC	32.0V DC	21.0V DC	20.0V DC	90%	0.35A
1UPSWI-1KVA-48-110	42-62V DC	110V AC	850W	61.0V DC	62.0V DC	43.0V DC	42.0V DC	89%	0.30A
1UPSWI-1KVA-48-220	42-62V DC	220V AC	850W	61.0V DC	62.0V DC	43.0V DC	42.0V DC	92%	0.25A
1UPSWI-2KVA-12-110	10-16V DC	110 VAC	1600W	15.5V DC	16.0V DC	10.5V DC	10.0V DC	86%	1.45A
1UPSWI-2KVA-12-220	10-16V DC	220V AC	1600W	15.5V DC	16.0V DC	10.5V DC	10.0V DC	87%	1.47A
1UPSWI-2KVA-24-110	20-32V DC	110V AC	1700W	31.0V DC	32.0V DC	21.0V DC	20.0V DC	88%	0.70A
1UPSWI-2KVA-24-220	20-32V DC	220V AC	1700W	31.0V DC	32.0V DC	21.0V DC	20.0V DC	90%	0.80A
1UPSWI-2KVA-48-110	42-62V DC	110V AC	1700W	61.0V DC	62.0V DC	43.0V DC	42.0V DC	90%	0.45A
1UPSWI-2KVA-48-220	42-62V DC	220V AC	1700W	61.0V DC	62.0V DC	43.0V DC	42.0V DC	92%	0.47A

For output connectors add suffix -IEC after part number for IEC socket, -ST for screw terminals or -US or -US-GFCI for USA socket.

North America(GFCI)	North America
	
PC Connector 10A	AC terminal block
	

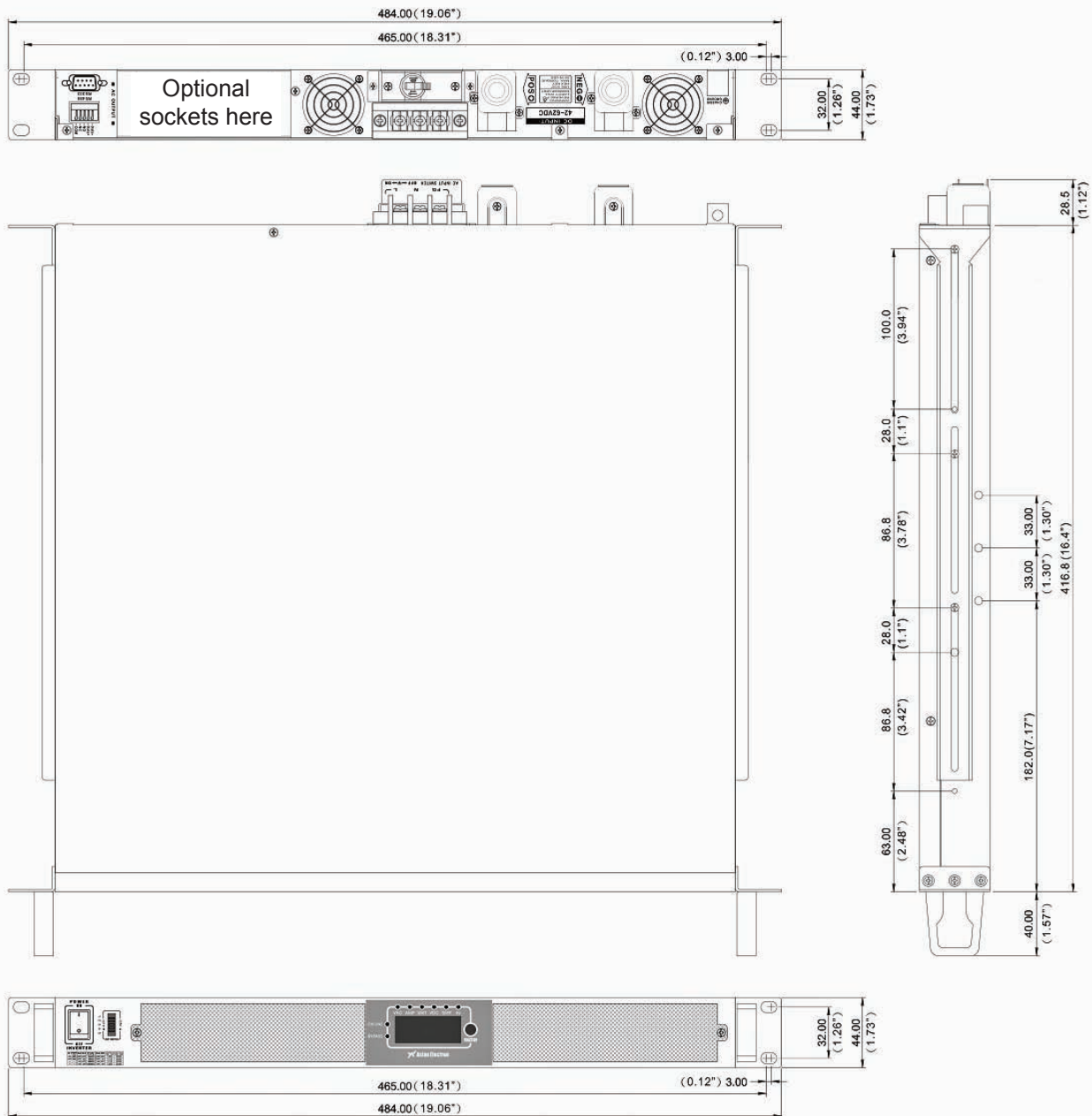
Other options: Remote control unit - consult sales office for details

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Mechanical Details



Dimensions in (mm) inches