



1U 19" Rack-mount PSW1000 Series Pure Sine Wave Inverter

Features

- R Load Pure sine wave output (THD < 3%)
- Digital display
- Bypass function (STS)
- Output frequency: 50 / 60Hz switch
- RS-232 interface / Wire connection to PC
- Wired Remote control (optional)
- Loading & Temperature controlled cooling fan
- Advanced microprocessor
- Protection: Input Undervoltage
Input Overvoltage
Overload
Short circuit
Low battery alarm
Over temperature

Electrical Performance : 1KVA

Specification	Model					
PSW1000	12-110-1U	24-110-1U	48-110-1U	12-230-1U	24-230-1U	48-230-1U
Continuous Output Power	850W (1KVA)					
Surge Rating	900W/1Mins , 950W/3Sec , 1000W/1Sec					
Input Voltage	12V	24V	48V	12V	24V	48V
Frequency	50/60Hz ± 0.05% (Switch Selectable)					
Peak Output Current	15A			9A		
Efficiency (full load)	86%	88%	89%	87%	90%	92%
No Load Current Draw	0.75A	0.4A	0.3A	0.7A	0.35A	0.25A
Output Waveform	R Load Pure Sine Wave <3% THD					
Output Voltage Regulation	100/110/115/120V(Switch Selectable) RMS±3%			200/220/230/240V(Switch Selectable) RMS±3%		
P.F.	0.85			0.85		
Input Voltage Range	10-16VDC	20-32VDC	42-62VDC	10-16VDC	20-32VDC	42-62VDC
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	UL60950-1 ((File No. E324561)			EN60950-1		
EMC	FCC Class B			EN 55022: 2010/AC: 2011(Class B) EN 55024:2010 EN 61000-3-2:2006+A1:2009+A2:2009 EN 61000-3-3:2013 IEC 61000-4-2:2008 IEC 61000-4-3:2006+A1:2007+A2:2010 IEC 61000-4-4:2012 IEC 61000-4-5:2005 IEC 61000-4-6:2008 IEC 61000-4-8:2009 IEC61000-4-11:2004		
Interface Control Port	RS-232 With Baud Rate 2400,4800, 9600, 19200 (Switch Selectable)					
AC Input	110V AC (90V – 130V)			220V AC(180V – 260V)		
AC Frequency	(50Hz ~ 60 Hz) ± 3%					
Bypass	4~6ms					
Operating Temperature Range	-20°C to 60°C					
Storage Temperature Range	-30°C to 70°C					
Cooling	Loading & Temperature controlled cooling fan					
Dimensions	416.8(L) ×424.0(W) ×44.0(H) mm					
Weight	7.5kgs					
The wire gauge for AC input and AC output	#12					
	WARNING: The proper connection needs to be made in reference to line/neutral.					