



1U Rack Mount Inverter 1kVA

Main Features

- R Load Pure sine wave output (THD < 3%)
- LED display
- 12V, 24V & 48VDC Input Voltages
- 115VAC or 230VAC Output
- Static Transfer Switch Built-in
- Output frequency: 50 / 60Hz switch
- RS-232 interface / Wire connection to PC
- Relay Alarm Output
- Loading & Temperature controlled cooling fan
- -20 to +60C° Operating temperature range
- Ideal for Telecom & IT Applications and SCADA
- **Optional SNMP Management**

RM-PSW1KVA Series Pure Sine Wave Inverter

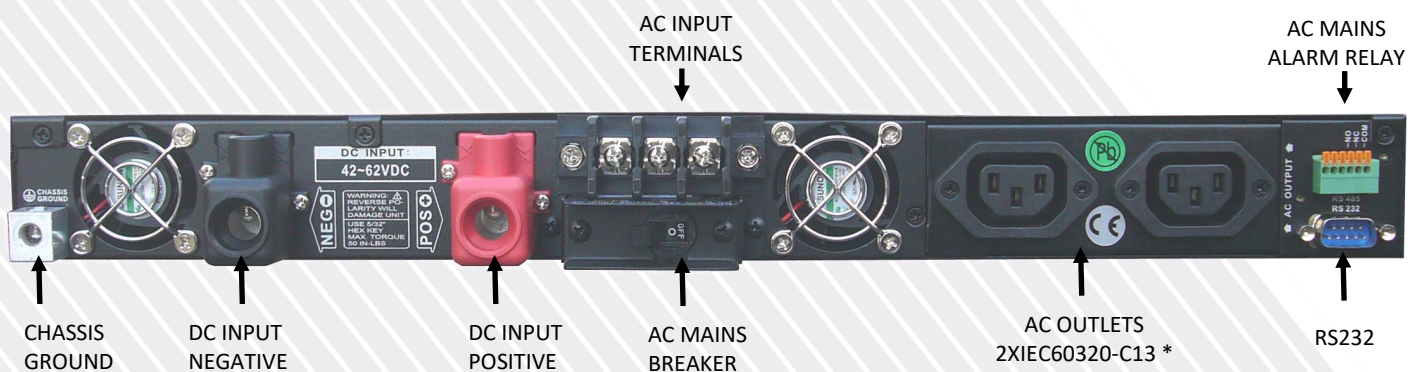
The RM-PSW1kVA Series are 1U Rack Mount 1kVA sine-wave inverters. 12V/24/48VDC models with 230 or 120VAC output. The pure sine wave output is produced by a DSP controlled power circuit, using high power PWM, which allows efficiency higher than 86%, and very low distortion, even with reactive loads.

The voltage is user selectable: 220/230/240V RMS 3%, allowing for the best setting for customer equipment. In normal operation these inverters isolate the load from wide voltage swings, transients and noise usually present in the mains and which can cause equipment reliability problems. Output voltage and frequency are programmable from the front panel, as well as from the RS232 communications interface which can be used for remote monitoring.

The Bypass / Transfer function, allows for automatic transfer of the load (in the event of inverter or DC Failure) from the inverter to the utility AC supply, thus providing a high level of system reliability. With a range of protection features such as 'Auto shutdown' that prevents total battery discharge, and the extremely low input current draw when output is not powering equipment ensures maximum battery capacity at all times.

REAR PANEL DETAIL (standard model)

230VAC OUTPUT MODELS



Optional AC Terminals: 2xUniversal socket - 2xStandard Australian 3 Pin For AU and NZ - 2xIEC60320-C13 - 1xAC terminal strip - 2xNEMA 5-15

Specification	Model					
Model Number	RM-PSW121KVA	RM-PSW241KVA	RM-PSW481KVA	RM-PSW121KVAE	RM-PSW241KVAE	RM-PSW481KVAE
Output Power (W)	850W	850W	850W	850W	850W	850W
Surge Rating	900W for 1Min, 950W for 3 Seconds, 1000W for 1 second			900W for 1Min, 950W for 3 Seconds, 1000W for 1 second		
Input Voltage	12V	24V	48V	12V	24V	48V
Input Voltage Range	10-16VDC	20-32VDC	42-62VDC	10-16VDC	20-32VDC	42-62VDC
No Load Current Draw	0.75A	0.4A	0.3A	0.7A	0.35A	0.25A
Efficiency (full load)	86%	88%	89%	87%	90%	92%
Output Voltage	100/110/115/120VAC ±3% (switch selectable)			200/220/230/240VAC ±3% (switch selectable)		
Output Frequency	50Hz or 60Hz ±0.05% (switch selectable)					
Peak Output Current	15A			9A		
Output Waveform	Pure Sine Wave <3% THD (R load)					
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					
Control Port	RS232 Baud Rates - 2400, 4800, 9600, 19200 (switch selectable)					
Static Transfer Switch						
AC Input	90 - 130VAC (110VAC nominal)			180-260VAC (230VAC nominal)		
AC Frequency	(50Hz ~ 60 Hz) ± 3%					
Transfer Time	4~6ms					
Alarm Relay	Form-C dry contacts, indicates presence of AC Utility supply					
Physical						
Dimensions	416.8(L) ×424.0(W) ×44.0(H) mm					
Operating Temperature Range	-20°C to 60°C					
Storage Temperature Range	-30°C to 70°C					
Cooling	Loading & Temperature controlled cooling fan					
Weight	7.5 kgs					
Mounting	19" rack-mount, 1U high					
General						
Safety	UL60950-1 (Listed - E130645)			EN60950-1		
EMC	FCC Class B			EN 55022:1998/ A1:2000/A2:2003(Class B) EN 55024: 1998/ A1:2001/A2:2003 EN 61000-3-2:2000/A2: 2005 EN 61000-3-3:1995/A1: 2001 IEC 61000-4-2:1995/ A1:1998/A2:2000 IEC 61000-4-3:2002/A1:2002 IEC 61000-4-4:2004 IEC 61000-4-5:1995/A1:2000 IEC 61000-4-6:1996/A1:2001 IEC 61000-4-8:1993/A1:2000 IEC 61000-4-11:2004		

Options	
Additional Alarm	1 additional alarm can be configured
SNMP	Operates in conjunction with NetAgent UPS SNMP Agent
AC Output	Please specify, a range of options are available