

RM-1U1KVA /2KVA SERIES

DC/ AC Sine Wave Inverters: 1000 ~ 2000 Watts

THE POWER OF

REDARC



Features

- 1000 watts & 2000 watts, 1U x 19in Rack Mount
- 12V, 24V & 48VDC input options
- Bypass / Transfer function, Inverter to Utility
- Front panel digital display
- RS – 232C interface / remote control port / wire connection to PC
- Pure sine wave output (THD < 3%) R Load
- Output frequency : 50 / 60Hz switch selectable
- Over voltage & Under voltage input shutdown
- Overload and short circuit protection
- Led indicator for fault conditions
- Low input No Load current draw
- Auto shutdown prevents total battery discharge
- High efficiency up to 92%
- Advanced microprocessor

General Specifications

Output	230 / 240VAC (selectable)
Output Power (Continuous)	850 watts / 1KVA
Maximum Output Power	950 watts 3 sec / 1870 watts 1min
Peak Output Power	950 watts 3sec / 2040 watts 20 sec
Input Voltage	12VDC , (10 ~ 16V) 24VDC (20 ~ 32V) 48VDC (42 ~ 62 V)
DC Input Over Voltage Alarm	15.5V / 31.0V / 61.0V
DC Input Overvoltage Shutdown	16.0V / 32.0V / 62.0V
DC Input Under Voltage Alarm	10.5V / 21.0V 43.0V
DC Input Under Voltage Shutdown	10.0V / 20.0V / 42.0V
Efficiency	87 ~ 92% model dependent
No Load Current Draw-1kw models	0.7A @ 12V, 0.35A @ 24V 0.25A @ 48V
No Load Current Draw-2kw models	1.47A @ 12V, 0.8A @ 24V 0.47A @ 48V
Output Waveform	Resistive Load Sine Wave <3% THD
Output Voltage Regulation	±3%
Frequency	50 / 60Hz selectable
Bypass	Transfer function from Inverter to Utility, transfer time 4-6ms.
Digital Display Front panel digital display allows for selection of:	OVP, UVP, OTP, OLP, VAC, AMP, WATT, VDC, TEMP, Hz
Interface Control Port	RS-232C Remote Control
Protection	Overload, Short Circuit, Reverse Polarity (Fuse) Over / Under Input Voltage, Over Temperature
Safety	IEC60950-1
EMC	EN55022 Class B
Immunity	IEC61000-4-2,-3, -4, -5, -6, 8, -11
Operating temp.	-20°C to 60°C
Cooling	Fan Cooled: Load controlled
Dimensions / Weight	1U x 19in Rack mount 450mm deep 7.5 / 9kg

Description

The **RM1KVA & RM-2KVA series** inverters, offer state of the art design and an excellent performance to price ration, for a wide range of Industrial applications.

Front panel digital display allows for selection of:
OVP, UVP, OTP, OLP,
VAC, AMP, WATT, VDC, TEMP, Hz

Suitable for powering all types of electronic loads and products, such as laptops, vacuum cleaners, fans, fluorescent, incandescent lights, shavers, coffee makers, toasters, video games, etc, but ideally targeted at the Industrial & Telecom Markets.

The **Bypass / Transfer** function, allows for automatic transfer of the load (in the event of inverter or DC Failure) from 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.

Output voltage is user selectable: 220/230/240V RMS ± 3%, allowing for the best setting for customer equipment.

Options

Output Voltage 110/115/120V 60Hz models:
Consult sales office for complete part no / model

Model	Input Voltage	Output Voltage	Power Cont	Power Peak
RM-PSW121KVAE	12V	230 / 240VAC	850W	950W
RM-PSW241KVAE	24V	230 / 240VAC	850W	950W
RM-PSW481KVAE	48V	230 / 240VAC	850W	950W
RM-PSW122KVAE	12V	230 / 240VAC	1700W	2040W
RM-PSW242KVAE	24V	230 / 240VAC	1700W	2040W
RM-PSW482KVAE	48V	230 / 240VAC	1700W	2040W

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Mechanical Drawings

