

Rackmount - Inverters

These inverters provide seamless back-up power for AC powered communications equipment from the site's 48 or 24 VDC battery system. A fast-acting transfer switch ensures voice and data transmissions remain uninterrupted in the event of a power grid failure or if the site utility power is disconnected for maintenance and upgrade purposes. Built in a 2RU case adaptable for 19" and 23" rack installations.



Features

- Pure sine wave AC output powers telecom equipment without performance degradation
- Continuous duty rated – full output wattage maintained even during extended power outages
- 1000 VA and 2000 VA models available – easily cascaded for N+1 redundancy, providing maximum reliability required by data centers
- Low EMI and RFI interference characteristics
- User-friendly Status and Diagnostic LCD/LED displays
- Utility bypass function with fast load transfer switch
- Remote Power Management optional via RS-232 port
- Optional SNMP card
- Numerous circuit and load protections – over-current, over-temp, overload, reverse polarity, high/low battery voltage
- Form C alarm contacts for monitoring AC "Fault" and "DC Abnormal" conditions
- Adapts for 19" or 23" racks; occupies only 2 RU (3.5")
- UL and cUL listed

Mechanical

Dimensions: 17.4"W x 3.5"H x 11.6"D

Mounting: 19" or 23" Rack

Weight: 24-1000RM and 48-1000RM – 15.4 Lbs.
48-2000RM – 17.6 Lbs.

AC Characteristics

Voltage: 100/110/115/120 VAC (selectable using RS-232 port and additional software); Factory set at 115 VAC

Frequency: 60 Hz. Standard, 50 Hz. Optional

Regulation: +/- 2%

Wave Form: Pure Sine

Outlets Rear Panel:

24-1000RM and 48-1000RM – (4 ea.) NEMA 5-15R

48-2000RM – (4 ea.) NEMA 5-20R

Total Harmonic Distortion: 6% 120V/100% linear load 4%
120V/100% SPS load

Transfer Time: <4 ms.

Specifications

Model	DC Input Voltage	Amps	AC Output KVA	WATTS
48-1000RM	40-60	25	1 KVA	800
48-2000RM	40-60	50	2 KVA	1600
24-1000RM	20-30	50	1 KVA	800
125-1000RM	100-150	10	1 KVA	800
125-2000RM	100-150	20	2 KVA	1600
48-1000IRM*	40-60	25	1 KVA	800
48-2000IRM*	40-60	50	2 KVA	1600

* I series models use IEC type AC output connector

Displays

LED: Inverter On, Overload, DC Abnormal, Fault

LCD: Inverter On, Output Voltage and Frequency, Input Voltage, Load Percentage, DC Voltage, System Model, Internal Environment Temperature, Utility Status, Short Circuit, Over Temperature

Operating Temperature: 0° to 45° C

Cooling: Forced air, front-to-back

Humidity: 0-90% relative humidity

Acoustic Noise: 46 dBA @ 1 M

Alarms

Form C (Dry Contact) terminals (two sets – "DC ABNORMAL" and "FAULT")

Communication Interface

RS-232 port, serial cable included

Protection Features

DC Input Fuse and Breaker, AC Input Breaker, Output Breaker, Short Circuit, Overload, Over Temperature, Over/Under Output Voltage, Over/Under Input Voltage, Fan Failure Detection

Options

- Remote monitor via RS 232 port. SNMP card required.



Powering the Network