

Rackmount Inverter - 3,000 Watts



This power inverter provides seamless back-up power for AC powered communications equipment from the site's 48V DC 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 for 19" 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
- 3000 Watts – easily cascaded for N+1 redundancy, providing maximum reliability required by data centers
- Low EMI and RFI interference characteristics
- High efficiency: 89% (Full linear load at 120 VAC Output)
- Four NEMA 5-15R AC receptacles provided
- Utility bypass, with fast load transfer switch, <6ms
- Numerous circuit and load protections: over- temp, overload, reverse polarity, high/low battery voltage, AC input breaker
- Load & temperature controlled cooling fan
- Form C alarm contacts for monitoring abnormal conditions
- All diagnostic Operation Controlled by a microprocessor
- User-friendly Status and Diagnostic LED displays
- Remote Power Management optional via remote control relay RS-232 port
- Inverter/UPS mode selector switch
- 19", Rackmount, 2RU

AC Characteristics

Voltage: 100-120 VAC (select using front panel potentiomet); Factory set at 120 VAC

Frequency: 60 Hz. Standard, 50 Hz. User selectable

Wave Form: Pure Sine

Max Output Power (3min): 3200W

Surge Power: 3500W (3 sec.)

Peak: 6,000W (<1 sec.)

Total Harmonic Distortion: THD <3%

Transfer Time: <6 ms

Input:

Voltage: 42-62 VDC

No Load Current: 0.4A

Over Voltage Protection: 62 VDC

Under Voltage Protection: 42 VDC

Efficiency: 89% (Full Load)

Displays:

LED: Online, Bypass, Inverter Mode, UPS Mode, Back-Up

LCD: 2 line LCD w/ Keypad for navigation of selectable

Functions; Output Voltage, Amperage, Watts,

VDC In, Temperature, Frequency

Operating Temperature: -20° to 50° C Full Load, 90% RH.

Cooling: Forced air, front-to-back On @ 300W load

Visual & Audio Alarms:

- Form C (Dry Contact) terminals: Summary alarm
- Overload / Short Circuit Alarm
- Input Under Voltage/Over Voltage
- Over Temperature
- Inverter Fail

Communication Interface

RS-232 port with user selectable baud rate, Remote control of inverter (on/off)

Model	DC Input		AC Output		Dimensions (H x W x D)	Weight (Lbs.)
	Voltage	Amps	Volts	Watts		
48-3000RM	42 – 62	75	100 - 120V AC	3000	3.46" x 17.52" x 16.7"	31.5



Powering the Network