

Rackmount Inverter - 2,000 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 compact 1RU case for 19" rack installations.

Features

- Pure sine wave AC output powers telecom equipment without performance degradation
- 2000 watts surge, 1870 watts/2 KVA continuous
- Easily cascaded for N+1 redundancy, providing maximum reliability required by data centers
- Low EMI and RFI interference characteristics
- High efficiency: 90% (Full linear load at 120 VAC Output)
- Two NEMA 5-20R 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, 1RU

AC Characteristics

Voltage: 100-120 VAC (select via front panel DIP Switches); Factory set at 120 VAC

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

Wave Form: Pure Sine

Continuous Output Power: 1700W/2 KVA

Surge Power: 1870W (3 sec.), 2040W (3 sec.)

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

Total Harmonic Distortion: THD <3%

Transfer Time: <6 ms

Input:

Voltage: 42-62 VDC

No Load Current: 0.45A

Over Voltage Protection: 62 VDC

Under Voltage Protection: 42 VDC

Efficiency: 90% (Full Load)

Displays:

LED: AC Input, Bypass, VAC, Amp, Watt, VDC, Temp, Hz.

LCD: LCD w/ Function for navigation of selectable Functions; Output Voltage, Amperage, Watts, VDC In, Temperature, Frequency

Operating Temperature: -20° to 60° C Full Load, 90% RH.

Cooling: Forced air, front-to-back

Visual & Audio Alarms:

- Form C (Dry Contact) terminals: DC Fail & AC Input Fail
- Overload / Short Circuit Alarm
- Input Under Voltage/Over Voltage
- Over Temperature

Communication Interface

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

Dimensions (H x W x D): 3.46" x 17.52" x 16.7"

Weight (Lbs.): 19

Model	DC Input		AC Output			
	Voltage	Amps	Volts	Surge Watts	Cont. Watts	VA
48-1U-2000RM	42 - 62	78	100 - 120V AC	2000	1870	2 KVA



Powering the Network