

Rackmount Inverter - 1U, 1200 Watts



The 1U, 1200 watt, power inverter series provides seamless back-up power for AC powered communications equipment from the site's 24 or 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 1U case for 19" rack installations.

Features

- Built-in 16A automatic transfer switch
- On-Line and Off-Line modes
- Load Safe algorithm
- Flexible configurable parameters
- Configurable via front panel, USB, or RS-232C
- Ethernet webpage monitoring
- SNMP Alarm Trap generation for NOC monitoring
- 19", Rackmount, 1U

Model	DC Input Voltage	Volts	AC Output	
			Cont. Watts	Surge Watts
24-1200RM	24V DC	100 - 120V AC	1200	2000
48-1200RM	48V DC	100 - 120V AC	1200	2000

Specifications

AC Characteristics

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

Frequency: 45 - 65 Hz. (user selectable); Default: 60 Hz.

Wave Form: High Frequency Type; Pure Sine

Continuous Output Power: 1200W (protected by 15A AC input breaker)

Surge Power: 2000 watts (2 seconds)

Peak Efficiency:

24 Volt: >88%

48 Volt: >90%

Total Harmonic Distortion: THD <2%

Transfer Time: <8 ms

DC/AC Input

Voltage:

24 Volt: 20 - 34V DC

48 Volt: 40 - 68V DC

No Load Current:

24 Volt: <0.6A

48 Volt: <0.5A

Over Voltage Protection:

24 Volt: 25.0 to 35.0V DC; Default 34V DC

48 Volt: 50.0 to 62.0V DC; Default 60V DC

Under Voltage Protection:

24 Volt: 17.0 to 23.0V DC; Default 20.0V DC

48 Volt: 34.0 to 46.0V DC; Default 40.0V DC

Output

Voltage: 100-120V AC (user selectable); Default: 120V AC

Max Output Power: 1200W

Surge Power: 2000W (2 seconds)

Displays

LED: AC Grid, Bypass, Inverter, Bypass, Alarm

LCD: LCD w/ Function for navigation of selectable Functions; AC voltage, AC current, AC power, frequency, and DC input voltage

Visual & Audio Alarms: fan fault, over voltage, under voltage, overload, over temperature, and short circuit

Communication Interface: RS-232 port and USB connector

Mechanical

Operating Temperature: -20° to 50° C

Cooling: 3 load / temperature controlled fans:

- Switch ON when output load is >300W and switch OFF when the load reduces to < 280W
- Switch ON when internal heat sink temperature is $\geq 50^{\circ}\text{C}$ and switch OFF when temperature reduces to $\leq 45^{\circ}\text{C}$

Dimensions: 1.75" H x 19" W x 15.4" D

Weight: 12.8 Lbs.



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