

# RACKMOUNT INVERTER

RMI-48V1600W-2U, RMI-48V2400W-2U,  
RMI-125V1600W-2U

These 2U, 1600 & 2400 W true-sine wave inverters are designed to provide seamless 120 VAC 50/60 Hz back-up power for AC powered communications equipment from the site's 48 or 125 VDC power system. Ensure equipment operation remains uninterrupted in the event of a power grid failure or if the site utility power is disconnected for maintenance or upgrade purposes.



## KEY FEATURES

- True-sine wave output
- Wide operating temp range
- Features 4 NEMA 5-20R AC receptacles
- Standard 19" 1U rackmount
- Built-in protection
  - Input: reverse polarity/over voltage
  - Output: short circuit/overload/over temperature
- Forced air cooling
- Form "C" alarm contacts

## MECHANICAL SPECIFICATIONS

<b>Dimensions (L x W x H)</b>	488 x 430 x 89 mm [19" x 16.9 x 3.5"] [2U]
<b>Weight</b>	12.0 kg (26.5 lb)

## ENVIRONMENTAL

<b>Temperature</b>	0-40°C [32-104°F]
<b>Relative Humidity</b>	0-90%, non-condensing

## ELECTRICAL SPECIFICATIONS

	1600 W	2400 W
<b>Rating</b>	2000 kVA	3000 kVA
<b>DC Input</b>		
<b>Nominal Voltage / Max. Current</b>	48 VDC/50 Amps / 125 VDC/20 Amps	
<b>Voltage Range</b>	48 VDC [42~64 VDC] / 125 VDC [105~160 VDC]	
<b>Efficiency</b>	>85% (full load) at 48 or 125 VDC	
<b>AC Input (Bypass)</b>		
<b>Nominal Voltage</b>	110 or 230 VAC ±25%	
<b>Frequency</b>	50 or 60 Hz ±3 Hz	
<b>Protection</b>	AC Circuit Breaker	
<b>Inverter Output</b>		
<b>Output Power</b>	1600 W	2400 W
<b>Max. Surge Power</b>	2400 W	3600 W
<b>Voltage</b>	100 or 230 VAC ±1%	
<b>Voltage Regulation</b>	<2% at linear load	
<b>Frequency</b>	50 or 60 Hz ±0.1%	
<b>THD Distortion</b>	<3% at linear road	
<b>Waveform</b>	Pure Sine Wave	
<b>Crest Power</b>	3:1	
<b>Protection</b>		
<b>Short Circuit</b>	Inverter shut-off	
<b>Overload</b>	105~125% for 60 s; 126~150% for 30 s; >151% for 1s; Transfer to bypass	
<b>DC Polarity Reverse</b>	Yes	
<b>Communication</b>	RS-232 or dry contact	

Preliminary specifications. Subject to change.

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