

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

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

ENVIRONMENTAL

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

ELECTRICAL SPECIFICATIONS

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