

1500VA, Rugged, Three-phase Sine-wave Inverter for Heavy-duty Applications CTP 1500-R SERIES

- Rugged and reliable
- Sinusoidal wave shape
- Low EMI: EN55022 Class B (typical)
- Isolated, floating output
- 1500VA of output power
- Full electronic protection
- Field-proven design topology



The CTP 1500-R Series Inverter provides 3-phase, sine-wave power from a DC input. The standard unit delivers 3-phase outputs of 208rms, 380Vrms or 415Vrms (PH-PH) continuous at 50, 60, or 400Hz. The floating outputs are isolated from each other and can be connected in a 'Y' configuration or left as three individual outputs. In 'Y' configuration, the centre point (neutral) can be grounded. The unit has additional ruggedizing and conformal coating for immunity to shock, vibration and humidity. It features full electronic protection, high efficiency and low output noise. The built-in fan provides sufficient airflow for operation without de-rating up to 50°C ambient temperature, with an optional extended operating temperature range of -40°C to +65°C, with 2.5% de-rating for every °C above 50°C. A remote shut-down option is also available.

SPECIFICATIONS

<p>Input Voltage 24V, 28V, 48V, 125V, 250VDC standard. Consult factory for other inputs</p>	<p>Output Voltage 208rms/ 3-phase continuous or 380Vrms/3-phase continuous or 415Vrms/3-phase continuous at 50, 60, or 400Hz. The centre point (neutral) is floating - it can be grounded. Consult factory for other voltages and frequencies</p>	<p>Load Regulation Maximum +/-6% from 10% load to full load</p>	<p>Operating Temperature Range 0°C to +50°C</p>
<p>Input Protection Thermal fuse Inrush current limiting Reverse polarity</p>	<p>Wave Form: Sinusoidal</p>	<p>Output Protection Current limiting with short circuit protection. Thermal shutdown with automatic recovery in case of insufficient airflow</p>	<p>Temperature Drift (for level of output V) 0.05% per °C over operating temperature range</p>
<p>Standards Designed to meet C22.2 No. 107.1 - 01, UL 458 and EN60950</p>	<p>Total Harmonic Distortion Less than 5% at full load</p>	<p>Efficiency Min 78% at full load</p>	<p>Environmental Protection Ruggedized against shock and vibration Conformal coated against dust, airborne contaminants and excessive humidity</p>
<p>EMI EN 55022 Class B for versions where input current <70A. Class B filtering is an option where input current >70A.</p>	<p>Line Regulation Maximum 0.5%</p>	<p>Load Crest Factor Maximum 3.0 at 90% load</p>	<p>Dimensions 4U x 19" x 15" enclosed case</p>
		<p>Frequency Stability ± 0.1%</p>	<p>Connections Input/output: Terminal block</p>
			<p>Weight 40 pounds (18.2kg)</p>

Warranty: Twelve months subject to application within good engineering practice.
Enhancements to these general specifications can be accommodated upon request
Designed to meet common approval requirements. Specifications subject to change.

**Designer and manufacturer of quality converters, inverters, UPS systems, complete rack mount systems and DC-input fluorescent lamp inverters since 1982. Custom or standard.
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