



# ANALYTIC SYSTEMS

*Power Conversion Solutions*

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## Benefits

- Ultra-Quiet
- Power sensitive electronics without interference
- Rugged & Reliable
- Ensure years of safe and trouble free operation

## Applications

- Aviation / Marine
- Electric Utilities and Substations
- Telecom Power Plants
- Manufacturing Locations
- Steel Mills
- Military Applications (COTS)
- Industrial Controls
- OEM Applications
- Solar / Alternative Power Systems
- Fuel Cells

## AC/AC Frequency Converters

FTP6000R Series Frequency Converters

### Description

The FTP6000R AC/AC frequency converter provides 3-phase power from a single-phase line outlet. The standard unit delivers 3-phase outputs of 208rms, 380Vrms or 415Vrms 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 FTP6000R can be shut down electronically via a control switch on the front-panel of the unit.

Remote shut-down and output voltage adjustment options are available. The unit features full electronic protection, high efficiency and low input and output noise.

### Features

- Sinusoidal wave shape
- Isolated, floating output
- 6000VA output power
- Full electronic protection
- Telecom quality
- Field-proven design topology

# FTP6000R Series AC/AC Frequency Converters

## Specifications

<b>Input Voltage</b>	115VAC, 60Hz - 400Hz or 230VAC, 50Hz single phase Other inputs available, please consult factory
<b>Input Protection</b>	Thermal fuse, Inrush current limiting
<b>Isolation</b>	2250 VDC input to chassis / 2250 VDC input to output / 2250 VDC output to chassis
<b>Output Voltages</b>	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
<b>Wave Form</b>	Sinusoidal
<b>Total Harmonic Distortion</b>	Less than 5% at full load
<b>Efficiency</b>	Min 78% at full load
<b>Line Regulation</b>	Maximum 0.5%
<b>Load Regulation</b>	Maximum $\pm 6\%$ from 10% load to full load
<b>Output Protection</b>	Current limiting with short circuit protection, thermal shutdown with automatic recovery in case of continuous overload or insufficient airflow
<b>EMI</b>	EN 55022 Class B (typical)
<b>Load Crest Factor</b>	Maximum 3.0 at 90% load
<b>Frequency Stability</b>	$\pm 0.1\%$
<b>Operating Temperature Range</b>	0° C to +50° C (Extended range available, Consult factory)
<b>Humidity</b>	5 - 95% non-condensing
<b>Temperature Drift</b>	0.05% per ° C over operating temperature range
<b>Dimensions</b>	12U x 19" x 15" Rack Mount Enclosure Depth: 17" maximum
<b>Connections</b>	Input/output: terminal block
<b>Weight</b>	90 pounds (40kg)
<b>Safety</b>	Designed to meet C22.2 No. 107.1 - 01, UL 458 and EN60950 Please contact factory for approval status for the requested input/output configuration

**Warranty: Twenty Four 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 Without Notice

Designed and Manufactured in Canada

Available From:



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Quality since 1976

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