

## 1500VA SINGLE-PHASE TO 3-PHASE FREQUENCY CONVERTER WITH SINE WAVE OUTPUT SFT1500 SERIES

- Sinusoidal wave shape
- Isolated, floating output
- 1500VA output power
- Full electronic protection
- Telecom quality
- Field-proven design topology



The SFT1500 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 (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 SFT1500 can be shut down electronically by a control switch on the front-panel of the unit. A remote shut-down option is also available. The unit features full electronic protection, high efficiency and low input and output noise.

### SPECIFICATIONS

<b>Input Voltage</b> 115VAC, 60Hz - 400Hz 230VAC, 50Hz single phase Consult factory for other inputs	<b>Output Voltage</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>Load Regulation</b> Maximum +/-6% from 10% load to full load	<b>Operating Temperature Range</b> 0°C to +50°C Extended temperature range available
<b>Input Protection</b> Thermal fuse Inrush current limiting	<b>Wave Form:</b> Sinusoidal	<b>Output Protection</b> Current limiting with short circuit protection. Thermal shutdown with automatic recovery in case of insufficient airflow	<b>Temperature Drift (for level of output V)</b> 0.05% per °C over operating temperature range
<b>Standards</b> Designed to meet C22.2 No. 107.1 - 01, UL 458 and EN60950	<b>Total Harmonic Distortion</b> Less than 5% at full load	<b>Efficiency</b> Min 78% at full load	<b>Dimensions</b> 4U x 19" x 15" enclosed case
<b>EMI</b> EN 55022 Class B (typical)	<b>Line Regulation</b> Maximum 0.5%	<b>Load Crest Factor</b> Maximum 3.0 at 90% load	<b>Connections</b> Input/output: terminal block
		<b>Frequency Stability</b> ± 0.1%	<b>Weight</b> 40 pounds (18.2kg)

## 3000VA SINGLE-PHASE TO 3-PHASE FREQUENCY CONVERTER WITH SINE WAVE OUTPUT SFT 3000 SERIES

- Sinusoidal wave shape
- Isolated, floating output
- 3000VA output power
- Full electronic protection
- Telecom quality
- Field-proven design topology



The SFT3000 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 centre point (neutral) is floating and can also be grounded. The floating outputs are isolated from each other and can be connected in a 'Y' configuration or left as three individual outputs. The SFT3000 can be shut down electronically by a control switch on the front-panel of the unit. A remote shut-down option is also available. The unit features full electronic protection, high efficiency and low input and output noise.

### SPECIFICATIONS

<p><b>Input Voltage</b> 115VAC, 60Hz - 400Hz 230VAC, 50Hz single phase Consult factory for other inputs</p> <p><b>Input Protection</b> Thermal fuse Inrush current limiting</p> <p><b>Standards</b> Designed to meet C22.2 No. 107.1 - 01, UL 458 and EN60950</p> <p><b>EMI</b> EN 55022 Class B (typical)</p>	<p><b>Output Voltage</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.</p> <p><b>Wave Form:</b> Sinusoidal</p> <p><b>Total Harmonic Distortion</b> Less than 5% at full load</p> <p><b>Line Regulation</b> Maximum 0.5%</p>	<p><b>Load Regulation</b> Maximum +/-6% from 10% load to full load</p> <p><b>Output Protection</b> Current limiting with short circuit protection. Thermal shutdown with automatic recovery in case of insufficient airflow</p> <p><b>Efficiency</b> Min 78% at full load</p> <p><b>Load Crest Factor</b> Maximum 3.0 at 90% load</p> <p><b>Frequency Stability</b> ± 0.1%</p>	<p><b>Operating Temperature Range</b> 0°C to +50°C Extended temperature range available</p> <p><b>Temperature Drift (for level of output V)</b> 0.05% per °C over operating temperature range</p> <p><b>Dimensions</b> 6U x 19" x 15"</p> <p><b>Connections</b> Input/output: Terminal block</p> <p><b>Weight</b> 48 pounds (21.8kg)</p>
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