

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

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

3000VA 3-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 3-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 SFT3000 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.

SPECIFICATIONS

Input Voltage

208V, 380V or 415VAC, 3-phase
47 ... 410Hz range
Consult factory for other inputs

Input Protection

Thermal fuse
Inrush current limiting

Standards

Designed to meet
C22.2 No. 107.1 - 01,
UL 458 and EN60950

EMI

EN 55022 Class B
(typical)

Output Voltages

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

Wave Form:

Sinusoidal

Total Harmonic Distortion

Less than 5% at full load

Line Regulation

Maximum 0.5%

Load Regulation

Maximum +/-6% from 10% load
to full load

Output Protection

Current limiting with short circuit
protection. Thermal shutdown
with automatic recovery in case of
insufficient airflow.

Efficiency

Min 78% at full load

Load Crest Factor

Maximum 3.0 at 90% load

Frequency Stability

± 0.1%

Operating Temperature Range

0°C to +50°C
Extended temperature range
available

Temperature Drift

0.05% per °C over operating
temperature range

Dimensions

6U x 19" x 15"

Connections

Input/output: Terminal block

Weight

48 pounds (21.8kg)

6000VA 3-PHASE TO 3-PHASE FREQUENCY CONVERTER WITH SINE WAVE OUTPUT SFT 6000 SERIES

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



The SFT6000 AC/AC frequency converter provides 3-phase power from a 3-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 SFT6000 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.

SPECIFICATIONS

Input Voltage 208V, 380V or 415VAC, 3-phase 47 ... 410Hz range Consult factory for other inputs	Output Voltages 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	Load Regulation Maximum +/-6% from 10% load to full load	Operating Temperature Range 0°C to +50°C Extended temperature range available
Input Protection Thermal fuse Inrush current limiting	Wave Form: Sinusoidal	Output Protection Current limiting with short circuit protection. Thermal shutdown with automatic recovery in case of insufficient airflow.	Temperature Drift 0.05% per °C over operating temperature range
Standards Designed to meet C22.2 No. 107.1 - 01, UL 458 and EN60950	Total Harmonic Distortion Less than 5% at full load	Efficiency Min 78% at full load	Dimensions 12U x 19" x 15"
EMI EN 55022 Class B (typical)	Line Regulation Maximum 0.5%	Load Crest Factor Maximum 3.0 at 90% load	Connections Input/output: terminal block
		Frequency Stability ± 0.1%	Weight 90 pounds (40kg)

12000VA 3-PHASE TO 3-PHASE FREQUENCY CONVERTER WITH SINE WAVE OUTPUT SFT 12000 SERIES

- Sinusoidal wave shape
- Isolated, floating output
- 12000VA output power
- Full electronic protection
- Telecom quality
- Field-proven design topology



The SFT 12000 AC/AC frequency converter provides 3-phase power from a 3-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 unit features full electronic protection, high efficiency and low input and output noise.

SPECIFICATIONS

Input Voltage

208V or 380V, 3-phase
47 ... 410Hz range
Consult factory for other inputs

Input Protection

Thermal fuse
Inrush current limiting
Varistors

Standards

Designed to meet
C22.2 No. 107.1 - 01,
UL 458 and EN60950

EMI

EN 55022 Class A
(typical)

Output Voltages

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

Wave Form

Sinusoidal

Total Harmonic Distortion

Less than 5% at full load

Line Regulation

Maximum 0.5%

Load Regulation

Maximum $\pm 6\%$ from 10% load to
full load

Output Protection

Current limiting with short circuit
protection. Thermal shutdown
with automatic recovery in case of
insufficient airflow.

Efficiency

Min 78% at full load

Load Crest Factor

Maximum 3.0 at 90% load

Frequency Stability

$\pm 0.1\%$

Operating Temperature Range

0°C to +50°C.
Extended temperature range
available

Temperature Drift

0.05% per °C over operating
temperature range

Dimensions

16U x 19" x 15"

Connections

Input/output: terminal block

Weight

160 pounds (72.6 kg)