

1500VA 3-PHASE TO 3-PHASE FREQUENCY CONVERTER WITH SINE WAVE OUTPUT STT 1500 SERIES

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



The STT1500 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 STT1500 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
4U" X 19" x 15" enclosed case

Connections
Input/output: Terminal block

Weight
40 pounds (18.2 kg)

3000VA 3-PHASE TO 3-PHASE FREQUENCY CONVERTER WITH SINE WAVE OUTPUT STT 3000 SERIES

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



The STT3000 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 STT3000 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 STT 6000 SERIES

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



The STT6000 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 STT6000 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

12U x 19" x 15"

Connections

Input/output: terminal block

Weight

90 pounds (40kg)

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

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



The STT 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)