SP3 1500 SERIES

1500VA 3-PHASE INVERTER WITH SINE-WAVE OUTPUT SP3 1500 SERIES

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

The SP3 1500 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. Suitable for a wide range of applications, the SP3 1500 Series 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. An extended operating temperature range of -40 to +65°C is also available.

SPECIFICATIONS

Input Voltage
24V, 48V, 125V, 250VDC standard.
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 for versions where input current <70A.
Class B filtering is an option where input current >70A.

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

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

Temperature Drift (for level of output V)
0.05% per °C over operating temperature range

Dimensions
4U x 19" x 15" enclosed case

Connections
Input/output: Terminal block

Weight
40 pounds (18.2kg)

SP3 3000 SERIES

3000VA 3-PHASE INVERTER WITH SINE-WAVE OUTPUT SP3 3000 SERIES

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

The SP3 3000 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. Suitable for a wide range of applications, the SP3 3000 Series 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. An extended operating temperature range of -40 to +65°C is also available.

SPECIFICATIONS

Input Voltage
24V, 48V, 125V, 250VDC standard.
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 for versions where input current <70A.
Class B filtering is an option where input current >70A.

Output Voltage
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

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

Operating Temperature Range
0°C to +50°C

Temperature Drift (for level of output V)
0.05% per °C over operating temperature range

Frequency Stability
± 0.1%

Dimensions
6U x 19" x 15"

Connections
Input/output: Terminal block

Weight
48 pounds (21.8kg)

SP3 6000 SERIES

6000VA 3-PHASE INVERTER WITH SINE-WAVE OUTPUT SP3 6000 SERIES

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

The SP3 6000 Series Inverter provides 3-phase, sine-wave voltage from 24V, 48V, 125V or 250VDC inputs. 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. Suitable for a wide range of applications, the 3P 6000 Series 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. Extended operating temperature (-40 to +65°C) is available.

SPECIFICATIONS

Input Voltage
24V, 48V, 125V, 250VDC standard.
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 for versions where input current <70A.
Class B filtering is an option where input current >70A.

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

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

Operating Temperature Range
0°C to +50°C

Temperature Drift (for level of output V)
0.05% per °C over operating temperature range

Frequency Stability
± 0.1%

Dimensions
12U x 19" x 15" total size
Each module measures 3U x 19" x 15"

Connections
Input: terminal block or 3/8" stud depending upon input voltage
Output: terminal block

Weight
90 pounds (40kg)