

TELECOM QUALITY 30VA PURE SINE-WAVE INVERTER PLUG-IN OR STAND ALONE SPI 30 SERIES

- Input is filtered to EN 55022 Class B (typical)
- Compact size
- Sinusoidal wave shape
- 30VA of output power
- Full electronic protection
- Field-proven design topology
- Plug-in or stand-alone package



The SPI 30 Series low-power, low-cost DC/AC inverter uses established design techniques to ensure high reliability. The switching circuit for the input voltage is microprocessor controlled; the toroidal transformer boosts voltage to the required level and also provides the isolation required for the floating output. This unit has a feedback circuit to ensure excellent output regulation.

SPECIFICATIONS

Input Voltage

12V, 24V, 36V, 48VDC
+/-20% are standard
Consult Snaptec for other inputs

Input Protection

Thermal fuse

Standards

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

EMI

EN 55022 Class B
(typical)

Output Voltage

115VAC/0.26A continuous

50, 60 or 400Hz with grounded neutral. Isolated floating output optional. Consult Snaptec for other output requirements.

Line Regulation

± 0.5% max.

Load Regulation

Maximum ± 2% from no load to full load.

Wave Form:

Sinusoidal

Total Harmonic Distortion

Less than 5% at full load

Output Protection

Current limiting with short circuit protection

Efficiency

Min 78% at full load

Load Crest Factor

Maximum 3.0 at 90% load

Operating Temperature Range

0° C to +50° C
-40 TO +65° C also available

Temperature Drift

0.05% per ° C over operating temperature range

Humidity

5 - 95% non-condensing

Dimensions

Plug-in: 3U x 160mm x 10HP (2")
Stand alone: 4.4" x 7.8" x 2"

Connections

Plug-in module: H15
Stand-alone: screw-type terminal block for input and output.
Consult Snaptec for other connectors.

Weight

1.8lb (0.8kg)

TELECOM QUALITY 60VA PURE SINE-WAVE INVERTER PLUG-IN OR STAND ALONE SPI 60 SERIES

- Input is filtered to EN 55022 Class B (typical)
- Compact size
- Sinusoidal wave shape
- 60VA of output power
- Full electronic protection
- Field-proven design topology
- Plug-in or stand-alone package



The SPI 60 Series low power, low cost DC/AC Inverter uses established design techniques to ensure high reliability. The switching circuit for the input voltage is microprocessor controlled; the toroidal transformer boosts voltage to the required level and also provides the isolation required for the floating output. This unit has a feedback circuit to ensure excellent output regulation.

SPECIFICATIONS

Input Voltage

12V, 24V, 36V, 48VDC
+/-20% are standard
Consult Snaptec for other inputs

Input Protection

Thermal fuse

Standards

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

EMI

EN 55022 Class B
(typical)

Output Voltage

115VAC/0.53A continuous or
230VAC/0.26A continuous at
50, 60 or 400Hz with grounded
neutral. Isolated floating output
optional. Consult Snaptec for other
output requirements

Line Regulation

± 0.5% maximum

Load Regulation

Maximum ± 2% from no load
to full load

Wave Form

Sinusoidal

Total Harmonic Distortion

Less than 5% at full load

Output Protection

Current limiting with short circuit
protection

Efficiency

Min 78% at full load

Load Crest Factor

Maximum 3.0 at 90% load

Operating Temperature Range

0°C to +50°C
-40 TO +65°C also available

Temperature Drift

0.05% per °C over operating
temperature range

Humidity

5 - 95% non-condensing

Dimensions

Plug-in: 3U x 220mm x 10HP (2")
Stand alone: 4.4" x 10.0" x 2.25"

Connections

Plug-in module: H15
Stand-alone: screw-type terminal
block for input and output.
Consult Snaptec for other
connectors.

Weight

2.34lb (1.06kg)

100VA SINE-WAVE OUTPUT INVERTER INDUSTRIAL QUALITY, PLUG-IN OR STAND ALONE SPI100 SERIES

- Filtered input
- Compact size
- Sinusoidal output voltage
- 100VA output power
- Full electronic protection
- Field-proven design topology
- Plug-in or stand-alone package



Plug-in version

Stand-alone version

The SPI100 Series compact DC/AC Inverter utilizes the same established conversion topology as higher power inverters. The DC/DC input stage boosts the input voltage to a higher DC voltage, which feeds the DC/AC inverter to generate the required AC output. This use of high frequency transformers ensures a light weight design. Suitable for a wide range of applications, the SPI100 features full electronic protection, high efficiency and low output noise.

SPECIFICATIONS

Input Voltage

12V, 24V, 36V, 48V, 125Vdc
+/-15% are standard
Consult factory for other inputs

Input Protection

Internal safety fuse
Reverse polarity protection

Standards

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

EMI

EN 55022 Class A
as a minimum

Output Voltage

115Vac/0.86A continuous
at 60Hz or 400Hz ; or
230Vac/0.43A continuous
at 50Hz with isolated floating
output. Consult factory for other
output requirements

Output Wave Form:

Sinusoidal

Total Harmonic Distortion

Less than 5% at full load

Line Regulation

± 0.5% max.

Load Regulation

Maximum ±3 % from no load
to full load.

Output Protection

Current limiting with short circuit
protection

Efficiency

Input voltage dependent
Typically 80% at full load

Load Crest Factor

Maximum 3.0 at 90% load

Operating Temperature Range

0° C to +50° C

Cooling

Conduction/convection (no fan)

Humidity

5 - 95% non-condensing

Dimensions

Enclosed F1: 4.43" x 2" x 7.78"
Plug-in: 3U x 160mm x 10HP (2")

Environmental Protection

Basic ruggedizing

Connections

Plug-in module: H15
Stand-alone: screw-type terminal
block for input and output.
Consult factory for other
connectors.

Weight

1.7 lb (0.77kg) enclosed package

Alarm output

None

200VA SINE WAVE INVERTER SPI 200 SERIES

- Sinusoidal wave shape
- 200VA output power
- Full electronic protection
- Field-proven design topology



The SPI 200 Series compact DC/AC Inverter utilizes established design techniques to ensure high reliability. Suitable for a wide range of applications, the SPI 200 features full electronic protection, high efficiency and low output noise. This inverter can be loaded with a fluorescent lamp load up to the full specified output power.

SPECIFICATIONS

Input Voltage

12V , 24V, 36V, 48V, 125VDC
± 15% are standard
Consult Snaptec for other inputs

Input Protection

Thermal fuse

Standards

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

Input Isolation

Input to chassis 500V for <60VDC
input. 1500VDC for >60VDC
input. Input to output 2250VDC.
Output to chassis 2250VDC.

EMI

EN 55022 Class A
as a minimum

Output Voltage

115VAC/50Hz/60Hz/400Hz
@1.7A continuous
Consult Snaptec for other output
requirements

Wave Form:

Sinusoidal

Total Harmonic Distortion

Less than 5% at full load

Efficiency

Min 78% at full load

Line Regulation

Maximum 0.5%

Load Regulation

Maximum ± 3% from no load
to full load

Output Protection

Current limiting with short circuit
protection

Load Crest Factor

Maximum 3.0 at 90% load

Operating Temperature Range

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

Humidity

5 - 95% non-condensing

Dimensions

F3: 5.2" x 2.43" x 11.4"

Connections

Terminal block

Weight

3.9 lb. (1.77 kg)

500VA SINE WAVE OUTPUT INVERTER RUGGED, INDUSTRIAL QUALITY SPI500-FT SERIES

- Sinusoidal output voltage
- 500VA output power
- Filtered input
- Conduction/convection cooling
- Full electronic protection
- Field-proven design topology



SPI500 Series rugged, compact DC/AC Inverter uses field proven topology to generate 500W output power. It is a mature design with a track record in hundreds of applications. The DC/DC input stage boosts the input voltage to a higher DC voltage, which feeds the DC/AC inverter to generate the required AC output. Suitable for a wide range of applications, the SPI500 features full electronic protection and low output noise. Cooling is by conduction to the customer chassis, and additional air convection. This chassis-mount design is optimized for low component count and high efficiency. The use of components with established reliability results in a high demonstrated MTBF. The SPI500 is manufactured at our plant under strict quality control. Customized versions are also available. For the railway version see our RSPi500 series.

SPECIFICATIONS

Input Voltage

24V, 36V, 48V, 125V, 250VDC
+/-15% are standard
Consult factory for other inputs,
and ranges

Input Protection

Inrush current limiting
Varistors
Reverse polarity protection
Internal safety fuse
Lower voltage than the specified
minimum input will not damage
the unit

Isolation

Input to chassis: min. 1000Vdc
corresponding to the input voltage
Output neutral is connected to the
chassis, internally
Floating output as option

Standards

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

EMI

EN 55022 Class A
as a minimum

Output Voltage

115VAC/4.34A/60Hz or 400Hz;
or 230VAC/2.17A/50Hz
Output neutral is connected to the
chassis internally.
Isolated floating output optional
Consult factory for other output
requirements

Output Wave Form

Sinusoidal

Total Harmonic Distortion

Less than 5% at full load

Line Regulation

± 0.5% max.

Load Regulation

Maximum ± 6% from no load
to full load. A ± 2% load
regulation option is available.

Load Crest Factor

Maximum 3.0 at 90% load

Output Noise

High frequency ripple is better
than 500mVrms (20MHz BW)

Output Overload Protection

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

Output Overvoltage Protection

140/280V by internal supply
voltage limiting

Efficiency

Typically 78% at full load

Operating Temperature Range

0°C to +50°C for full specification
without derating.
Extended temperature ranges
available

Temperature Drift

0.05% per °C over operating
temperature range

Cooling

Conduction via base plate to
customer heatsink or chassis and
natural convection

Environmental Protection

Basic ruggedizing

Humidity

5 - 95% non-condensing

MTBF

Min. 140,000 hours at 45°C

Indicators

None

Control Input

None
Remote shutdown as option

Alarm Output

Output fail alarm (Form C)

Dimensions (W x H x L)

F21: 254 x 66 x 351 mm
(10" x 2.6" x 13.8") including
terminal block and flanges
Mounting holes are clear

Weight

4.2 kg (9 lb)

Connections

Input/output: Compression-type
terminals

RoHS Compliance

Fully compliant

Warranty

Two years subject to application
within good engineering practice

**500VA SINE WAVE OUTPUT INVERTER
INDUSTRIAL QUALITY
SPI 500-XX SERIES**



- Filtered input
- Compact size, light weight
- Sinusoidal output voltage
- 500VA output power
- Full electronic protection
- Field-proven design topology

The SPI 500-XX Series compact DC/AC Inverter utilizes established design techniques to ensure high reliability. Suitable for a wide range of applications, the SPI 500-XX 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. The output is fully isolated from the input and may either be used in grounded neutral operation (standard) or in floating mode (optional).

SPECIFICATIONS

Input Voltage

24V, 36V, 48V, 125V, 250VDC
+/-15% are standard
Consult factory for other inputs

Input Protection

Internal safety fuse
Inrush current limiting
Reverse polarity protection

Standards

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

EMI

EN 55022 Class A
as a minimum

Output Voltage

115VAC/4.34A continuous
at 60Hz or 400Hz; or
230VAC/2.17A continuous
at 50Hz with grounded neutral.
Isolated floating output optional
Consult factory for other output
requirements

Output Wave Form:
Sinusoidal

Total Harmonic Distortion

Less than 5% at full load

Efficiency

Input voltage dependent
Typically 80% at full load

Line Regulation

Maximum 0.5%

Load Regulation

Maximum $\pm 6\%$ from no load
to full load. A $\pm 2\%$ option is
available

Output Protection

Current limiting with short circuit
protection
Thermal shutdown with automatic
recovery in case of continuous
overload or insufficient airflow

Load Crest Factor

Maximum 3.0 at 90% load

Operating Temperature Range

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

Temperature Drift

0.05% per °C over operating
temperature range

Cooling

Built-in fan

Humidity

5 - 95% non-condensing

Environmental protection

Basic ruggedizing

Dimensions (W x H x D)

5" x 5.3" x 15.5" enclosed case

Connections

Input: Compression-type terminal
Output:
115Vac: Standard AC receptacle
230Vac: IEC connector

Weight

9 pounds (4 kg)

Options:

Output Fail Alarm (Form C)
Remote Inhibit
Output compression type terminal



1000VA, Low Profile, Conduction-cooled Sine Wave Inverter Industrial Quality SPI1000-FT Series

- Rugged construction
- Conduction/convection cooling
- Sinusoidal output voltage
- Filtered input
- Full electronic protection
- Field-proven design topology



SPI1000-FT Series rugged, compact DC/AC Inverter uses field proven topology to generate 1000W output power. It is a mature design with a track record in hundreds of applications. The DC/DC input stage boosts the input voltage to a higher DC voltage, which feeds the DC/AC inverter to generate the required AC output. Suitable for a wide range of applications, the series features full electronic protection and low output noise. The unit requires conduction cooling to customer chassis, cabinet or heatsink. Perforations on the case assist cooling by air convection. This chassis-mount design is optimized for low component count and high efficiency. The use of components with established reliability results in a high demonstrated MTBF. SPI 1000-FT is manufactured at our plant under strict quality control. Versions meeting EN 50155 railway specifications and customized versions are also available.

SPECIFICATIONS

Input Voltage

24V, 36V, 48V, 125V, 250VDC
+/-15% are standard
Consult factory for other inputs, and ranges

Input Protection

Inrush current limiting
Varistors
Reverse polarity protection
Internal safety fuse
Lower voltage than the specified minimum input will not damage the unit

Isolation

Input to chassis: min. 1000Vdc corresponding to the input voltage
Output neutral is connected to the chassis, internally
Floating output as option

Standards

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

EMI

EN 55022 Class A
as a minimum

Output Voltage

115Vac/8.7A /60Hz or 400Hz ;
or 230Vac/4.35A /50Hz
Output neutral is connected to the chassis internally.
Isolated floating output optional
Consult factory for other output requirements

Output Wave Form

Sinusoidal

Total Harmonic Distortion

Less than 5% at full load

Line Regulation

± 0.5% max.

Load Regulation

Maximum ± 6% from no load to full load. A ± 2% load regulation option is available.

Load Crest Factor

Maximum 3.0 at 90% load

Output Noise

High frequency ripple is better than 500mVrms (20MHz BW)

Output Overload Protection

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

Output Overvoltage Protection

140/280V by internal supply voltage limiting

Efficiency

Typically 78% at full load

Operating Temperature Range

-20°C to +50°C cold-plate temperature

Temperature Drift

0.05% per °C over operating temperature range

Cooling

By conduction/convection

Environmental Protection

Basic ruggedizing

Humidity

5 - 95% non-condensing

MTBF

Min. 140,000 hours at 45°C

Indicators

None

Control Input

None
Remote shutdown as option

Alarm Output

Output fail alarm (Form C)

Package/Dimensions (W x H x L)

F31: 483 x 67 x 355 mm
(19" x 2.6" x 14") including terminal blocks and flanges.
Mounting holes are clear.

Weight

8 Kg (18 lb)

Connections

Input/output: Compression-type terminals

RoHS Compliance

Fully compliant

Warranty

Two years subject to application within good engineering practice

TELECOM QUALITY 1000VA SINE WAVE INVERTER SPI 1000 SERIES

- Input is filtered to EN 55022 Class B (typical)
- Compact size, light weight
- Sinusoidal wave shape
- 1000VA of output power
- Full electronic protection
- Field-proven design topology



The SPI 1000 Series compact DC/AC Inverter utilizes established design techniques to ensure high reliability. Suitable for a wide range of applications, the SPI 1000 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. The inverter can be loaded with a fluorescent lamp load up to the full specified output power.

SPECIFICATIONS

Input Voltage

24V, 36V, 48V, 125V, 250VDC
+/-20% are standard
Consult Snaptec for other inputs

Input Protection

Thermal fuse
Inrush current limiting
Reverse polarity protection

Standards

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

EMI

EN 55022 Class B
(typical)

Output Voltage

115VAC/8.7A continuous or
230VAC/4.34A continuous at
50, 60 or 400Hz with grounded
neutral.

Isolated floating output optional.
Consult Snaptec for other output
requirements

Wave Form

Sinusoidal

Total Harmonic Distortion

Less than 5% at full load

Efficiency

Min 78% at full load

Line Regulation

Maximum 0.5%

Load Regulation

Maximum ± 2% from no load
to full load.

Output Protection

Current limiting with short circuit
protection
Thermal shutdown with automatic
recovery in case of continuous
overload or insufficient airflow

Load Crest Factor

Maximum 3.0 at 90% load

Operating Temperature Range

0°C to +50°C

Temperature Drift

0.05% per °C over operating
temperature range

Humidity

5 - 95% non-condensing

Dimensions

5.3" x 7.5" x 15.5" enclosed case
(H x W x L)

Connections

Input: Compression-type terminal
Output: Standard AC receptacle

Weight

13 pounds (5.9 Kg)

Options:

Output Fail Alarm (Form C)
Remote Inhibit: By closing
external contacts on the inhibit
terminals

TELECOM QUALITY 2000VA SINE WAVE INVERTER SPI 2000 SERIES

- Modular design, light weight
- Sinusoidal wave shape
- 2000VA output power
- Full electronic protection
- Field-proven design topology



The SPI 2000 Series DC/AC inverter uses established design techniques to ensure high reliability. Suitable for a wide range of applications, the SPI 2000 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. The inverter can be loaded with a fluorescent lamp load up to the full specified output power.

SPECIFICATIONS

Input Voltage

24V, 36V, 48V, 125V, 250VDC
+/-20% are standard
Consult Snaptec for other inputs

Input Protection

Thermal fuse
Inrush current limiting
Reverse polarity protection

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

115VAC/17.4A continuous or
230VAC/8.7A continuous at
50, 60 or 400Hz with grounded
neutral.

Isolated floating output optional.
Consult Snaptec for other output
requirements

Wave Form

Sinusoidal

Total Harmonic Distortion

Less than 5% at full load

Efficiency

Min 78% at full load

Line Regulation

Maximum 0.5%

Load Regulation

Maximum ± 2% from no load
to full load.

Output Protection

Current limiting with short circuit
protection
Thermal shutdown with automatic
recovery in case of continuous
overload or insufficient airflow

Load Crest Factor

Maximum 3.0 at 90% load

Operating Temperature Range

0° C to +50° C

Temperature Drift

0.05% per °C over operating
temperature range

Humidity

5 - 95% non-condensing

Dimensions

4U" X 19" x 15" enclosed case
(H x L x W)

Connections

Input/output: terminal block

Weight

40 pounds (18.2 kg)

Options:

Output Fail Alarm (Form C)
Remote Inhibit: By connecting
DC voltage (as specified) to the
inhibit terminals

3000VA SINE WAVE INVERTER SPI3000 SERIES

- Modular design
- Sinusoidal wave shape
- 3000VA output power
- Full electronic protection
- Field-proven design topology



The SPI3000 Series DC/AC Inverter utilizes established design techniques to ensure high reliability. Suitable for a wide range of applications, the SPI3000 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

24, 48, 125, and 250VDC
+/-20% are standard
Consult Snaptec for other inputs

Input Protection

Thermal fuse
Inrush current limiting
Reverse polarity protection

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

115Vrms/26A continuous or
220VAC/13.6A continuous at
50, 60, or 400Hz with grounded
neutral.

Isolated floating output optional.
Consult Snaptec for other output
requirements

Wave Form

Sinusoidal

Total Harmonic Distortion

Better than 5% at full load

Efficiency

Min 78% at full load

Line Regulation

Maximum 0.5%

Load Regulation

Maximum ± 2% from no load
to full load.

Output Noise

High frequency ripple is better
than 500mVrms(20MHz BW)

Output Protection

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

Output Over-voltage Protection

By internal supply voltage limiting
at 140VAC on output

Output Over-load Protection:

Hiccup at 3600VA

Load Crest Factor

Maximum 2.5 at 90% load

Operating Temperature Range

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

Temperature Drift

0.05% per °C over operating
temperature range

Humidity

5 - 95% non-condensing

Dimensions

6U x 19" x 15"

Connections

Input/output: Terminal block

Weight

48lb (21.8 Kg)

4000VA SINE WAVE INVERTER SPI 4000 SERIES

- Modular design
- Sinusoidal wave shape
- 4000VA output power
- Full electronic protection
- Field-proven design topology



The SPI 4000 Series DC/AC Inverter utilizes established design techniques to ensure high reliability. Suitable for a wide range of applications, this 4000VA inverter 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, 36V, 48V, 125V, 250VDC
+/-20% are standard
Consult Snaptec for other inputs

Input Protection
Thermal fuse
Inrush current limiting
Reverse polarity protection

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
115Vrms/34A continuous or
220VAC/18A continuous at
50, 60, or 400Hz with grounded
neutral.
Isolated floating output optional
Consult Snaptec for other output
requirements

Wave Form
Sinusoidal

Total Harmonic Distortion
Less than 5% at full load

Efficiency
Min 82% at full load

Line Regulation
Maximum 0.5%

Load Regulation
Maximum $\pm 2\%$ from no load
to full load.

Output Noise
High frequency ripple is better
than 500mVrms(20MHz BW)

Output Protection
Current limiting with short circuit
protection. Thermal shutdown
with automatic recovery in case of
continuous overload or insufficient
airflow

Output Over-voltage Protection
By internal supply voltage limiting
at 140VAC on output

Output Over-load Protection
Hiccup at 4800W

Load Crest Factor
Maximum 2.5 at 90% load

Operating Temperature Range
0°C to +50°C

Temperature Drift
0.05% per °C over operating
temperature range

Humidity
5 - 95% non-condensing

Dimensions
8U x 19" x 17"

Connections
Input/output: terminal block

Weight
70 pounds (31.8 kg)

5000VA SINE WAVE INVERTER SPI 5000 SERIES

- Modular design
- Sinusoidal wave shape
- 5000VA output power
- Full electronic protection
- Field-proven design topology



The SPI 5000 Series DC/AC Inverter uses established design techniques to ensure high reliability. Suitable for a wide range of applications, this 5000VA inverter 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. The inverter can be loaded with a fluorescent lamp load up to the full specified output power.

SPECIFICATIONS

Input Voltage

24V, 36V, 48V, 125V, 250VDC
+/-20% are standard
Consult Snaptec for other inputs

Input Protection

Thermal fuse
Inrush current limiting
Reverse polarity protection

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

115VAC/ 43.5A continuous or
230VAC /21.7A continuous at
50, 60 or 400Hz with grounded
neutral.

Isolated floating output optional..
Consult Snaptec for other output
requirements

Wave Form

Sinusoidal

Total Harmonic Distortion

Less than 5% at full load

Efficiency

Min 82% at full load

Line Regulation

Maximum 0.5%

Load Regulation

Maximum \pm 2% from no load
to full load.

Output Noise

High frequency ripple is better
than 500mVrms (20MHz BW)

Output Protection

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

Output Over-voltage Protection

By internal supply voltage limiting
at 140VAC on output

Output Over-load Protection:

Hiccup at 6,000VA

Load Crest Factor

Maximum 2.5 at 90% load

Operating Temperature Range

0°C to +50°C

Temperature Drift

0.05% per °C over operating
temperature range

Humidity

5 - 95% non-condensing

Dimensions

8U x 19" x 17"

Connections

Input/output: terminal block

Weight

70 pounds (31.8 Kg)