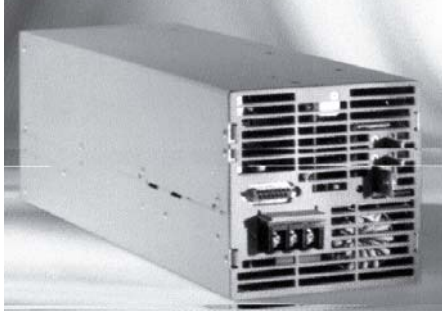


ETL-SX SERIES



Model	Output		Efficiency
ETL02SX	2V	400A	80%
ETL3.3SX	3.3V	400A	80%
ETL05SX	5V	400A	80%
ETL12SX	12V	167A	80%
ETL24SX	24V	84A	80%
ETL28SX	28V	72A	80%
ETL48SX	48V	43A	80%

DESCRIPTION

The Single Output ET series is our New Modular compact converter product line providing up to 2000 watts of continuous reliable power at full load. This Single Output ET series is nearly 40% smaller than the earlier industry standard, with a power density up to 6 watts per cubic in. The single output units will operate unattended and meet international safety and emissions standards.

FEATURES

- Power Factor (>0.99)
- 0 C to +50 C at full load
- Standard 5" X 5" X 11.25" envelope
- Output Fully Floating
- Overcurrent Protection
- Overvoltage Protection
- Remote Sense
- Overtemperature Protection
- Self-contained Forced Air Cooling
- Meets UL, CSA and VDE Safety
- Meets EMI EN55022 Level A
- Meets BABT and ISO9001 (1997)

OPTIONS

- Hot Pluggable
- Wide Temp Operation
- Power Fall Signal
- Logic Inhibit
- Single Wire Current Sharing
- Power Good Single
- Diode Isolation
- Output Current monitor

ELECTRICAL SPECIFICATIONS

INPUTS

RANGE: Full input Range 170 to 264 VAC.
 FREQUENCY: 43 to 63Hz.
 INRUSH CURRENT: 25A peak for the first four AC cycles
 HARMONIC CURRENT: <5%
 HOLD UP TIME: At least 20msec from loss of input to loss of regulation.

OUTPUTS

VOLTAGE: 2, 3.3, 5, 12, 15, 24, 28 and 48 VDC
 CURRENT: See Tables
 ADJUSTMENT RANGE: +5 to -10% of nominal output voltage.
 POLARITY: Output is isolated. It may be referenced plus/minus as required.
 REMOTE SENSING: Compensates for up to 0.5V total loop drop in the output line.
 STATIC REGULATION: Line: +/- 0.25% over full line range.
 Load: Option: +/- % zero load to full load. Droop IFE: Option: the output sags from +5% when the load is increased from 10% to 100%.
 VOLTAGE STABILITY: +/-0.1% FOR 24 hour period after 30 minute warm up.
 TEMP COEFFICIENT: +/-0.02%/ C FROM 0 c TO +50 c. For Wide Temperature. Option: +/- 0.035%/ C from -30 C to +70 C.
 P-P RIPPLE AND NOISE: 1% (20Hz to 50MHz Bandwidth).
 MINIMUM LOAD: Not Required.
 TURN ON DELAY: 1 sec. Max from application of AC line.
 OVER VOLTAGE PROTECTION: 125% +/-5% of nominal. OVP shutdown is latched until the input line is removed for 5 secs and then reapplied. OVP sensing is done at the output terminals.
 OVERCURRENT PROTECTION: Current Limit Point: 110% to 120% of full load.
 SHORT CIRCUIT CURRENT: Foldback type 40% to 80% of full rated current. Unit will recover when overload is removed.

ETL-SX SERIES

ENVIRONMENTAL

OVERTEMPERATURE PROTECTION:

Automatically shuts down and latches the unit in the event of an over temperature condition. After cool down, power must be recycled to restart the unit.

AUDIBLE NOISE: 63 dBA max at 1 meter. 70 dBA for high speed fans. (See Output Tables for units with high speed fan).

TEMPERATURE: Standard: 0 C to +50 C at full load. Storage: -55 C to +85 C.

HUMIDITY: 20% to 95% non-condensing.

ALTITUDE: Operating: 8,000 Ft. Derates to 90% at 10,000 Ft. Non-Operating at 30,000 feet.

VIBRATION: Operating: From 5 to 27Hz, 0.02" double amplitude: from 27 to 500Hz, 0.75G, 3 Axes, 5 min/octave sweep, dwell 1 min at resonance.

Non-Operating: From 5 to 17Hz, 0.01" double amplitude: from 17 to 500Hz, 1.5G peak: 3 axes, 5min/octave sweep, dwell 1 min at resonance.

MTBF: 500,000 hours

SHOCK: Operating: 5G, half sine, 11msec 3 axes. Non-Operating: 15G half sine, 11 msec, 3 axes.

COOLING: Forced air, internal fan Airflow normally exits at connector.

EMI: Conducted & Radiated EN55022 level A

SAFETY: Meets UL1950 , CSA1950, and TUV EN60950.

DIMENSIONS:

