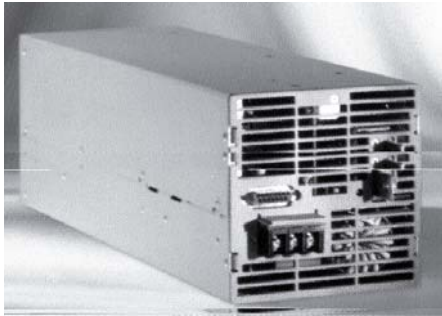


## ETJ-SX SERIES



Model	Output		Efficiency
ETJ02SX	2V	300A	80%
ETJ3.3SX	3.3V	300A	80%
ETJ05SX	5V	300A	80%
ETJ12SX	12V	125A	80%
ETJ24SX	24V	62A	80%
ETJ28SX	28V	53A	80%
ETJ48SX	48V	31A	80%

### DESCRIPTION

The Single Output ET series is our New Modular compact converter product line providing up to 1500 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 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 85 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 don 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.

# ETJ-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:

