

<b>Models</b>				
<b>Order Code</b>	<b>Output Power max.</b>	<b>Output Voltage nom. (adjustable)</b>	<b>Output Current max.</b>	<b>Efficiency typ.</b>
<b>TXLN 500-124</b>	500 W	24 VDC (21.6 - 26.4 VDC)	21'000 mA	89 %
<b>TXLN 500-148</b>		48 VDC (43.2 - 52.8 VDC)	10'500 mA	91 %

preliminary

### Input Specifications

Input Voltage	- AC Range	90 - 264 VAC (Full Range)
	- DC Range	120 - 375 VDC (Designed for, no certification)
Input Frequency		47 - 63 Hz
Input Current	- Full Load & Vin = 115 VAC	6'600 mA max.
Input Inrush Current	- At 230 VAC	40 A max.
	- At 115 VAC	20 A max.
Power Factor	- At 230 VAC	0.95 min. (Active Power Factor Correction)
Recommended Input Fuse		(The need of an external fuse has to be assessed in the final application.)

### Output Specifications

Output Voltage Adjustment		±10% (By trim potentiometer) Output power must not exceed rated power!
Voltage Set Accuracy		±1% max.
Regulation	- Input Variation (Vmin - Vmax)	1% max.
	- Load Variation	1% max.
Ripple and Noise (20 MHz Bandwidth)	24 VDC model:	150 mVp-p max. (w/ 0.1 µF // 47 µF)
	48 VDC model:	200 mVp-p max. (w/ 0.1 µF // 47 µF)
Minimum Load		Not required
Temperature Coefficient		±0.02 %/K max.
Hold-up Time	- At 230 VAC	18 ms min.
Start-up Time	- At 230 VAC	3'000 ms max.
	- At 115 VAC	3'000 ms max.
Short Circuit Protection		Continuous, Automatic recovery
Output Current Limitation		105 - 130% of Iout max.
Overvoltage Protection		115 - 140% of Vout nom.

### Safety Specifications

Safety Standards	- IT / Multimedia Equipment	EN 62368-1 IEC 62368-1 UL 62368-1
	- Certification Documents	<a href="http://www.tracopower.com/overview/txln500">www.tracopower.com/overview/txln500</a>
Protection Class		Class I (Prepared): Connection to PE

### EMC Specifications

EMI Emissions	- Conducted Emissions	EN 61000-6-3 (Generic Residential) EN 55032 class B (internal filter)
	- Radiated Emissions	EN 55032 class B (internal filter)
	- Harmonic Current Emissions	EN 61000-3-2, class A
	- Voltage Fluctuations & Flicker	EN 61000-3-3
	EMS Immunity	EN 55024 (IT Equipment)
	- Electrostatic Discharge	Air: EN 61000-4-2, ±8 kV, perf. criteria A Contact: EN 61000-4-2, ±4 kV, perf. criteria A
	- RF Electromagnetic Field	EN 61000-4-3, 3 V/m, perf. criteria A
	- EFT (Burst) / Surge	EN 61000-4-4, ±2 kV, perf. criteria A L to L: EN 61000-4-5, ±1 kV, perf. criteria A L to PE: EN 61000-4-5, ±2 kV, perf. criteria A
	- Conducted RF Disturbances	EN 61000-4-6, 3 Vrms, perf. criteria A
	- PF Magnetic Field	Continuous: EN 61000-4-8, 3 A/m, perf. criteria A
	- Voltage Dips & Interruptions	230 VAC / 50 Hz: EN 61000-4-11 30%, 25 periods, perf. criteria A >95%, 0.5 periods, perf. criteria A >95%, 250 periods, perf. criteria B

All specifications valid at nominal voltage, full load and +25°C after warm-up time unless otherwise stated.

