



TL-300-2 Power Supply



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THIS MANUAL CONTAINS INFORMATION FOR INSTALLING AND OPERATING THE FOLLOWING PRODUCT:

- TL-300-2 POWER SUPPLY

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General Description

The TL-300-2 is an open framed linear power supply for usage in CNC machine control panels. This small sized power supply works at 110-220V, 50Hz. Some of its features are:

- High electrical efficiency
- Small size and weight
- Low stray magnetic fields
- Reduced transformer humming
- Low operating temperature
- Noise free

It can drive four unregulated outputs for easy star connection to multiple motor drives and an unregulated +24V terminal is also given. All these rectified, filtered and ripple free outputs are received through screw terminals.

The supply also drives a regulated, rectified, filtered and ripple free +12V output.

The 5 capacitors are of 2200uF/100V value each which gives a bulk capacitance of 11000uF/100V that allows for filtration of rectifier outputs.

Status LEDs for mains power (red colored) and +12V (green colored) output are provided on the supply board for easy diagnostics.

Technical Specifications

Contents	Specifications
Transformer Type	EI-CRGO
Power Supply model	TL-300-2
Output 1 (unregulated)	42 V (10 A)
Capacitor at output 1	11000 uF/ 100 V DC
No of terminals at output 1	4
Output 2 (unregulated)	24 V (800 mA)
Output 3 (regulated)	12 V (800 mA)
Max. combined current from output 2 nd + output 3 rd	1 A
Terminals for output 2-3	1 each with common GND terminal
Total transformer ratings	300 VA (continuous)
Ambient temperature range	0°-50 °C
Relative Humidity	90 % (without condensation)
Weight approx.	6 Kg