

TP44A

Power Supply for a liquid and candy dispenser, with a time protected output power of 300W.



Model ref: TPSF-150-1-D

OVERVIEW

- 150W power supply
- Ability to switch over to constant current mode (even in combination with the internal resistance of a blocked DC motor, the PSU still provides enough voltage to supply the digital control electronics of the application.)
- Single-ended feed-forward topology
- Custom made

APPLICATION

- Professional liquid and candy dispensers
- Peak load currents caused by DC motors, valves and electromagnetic relays
- Operating 24/7 at elevated temperatures

INPUT

- Input voltage range : 176-264 Vac
- Efficiency : > 85%

OUTPUT

- Nominal output power : 150W
- Peak output power : 300W (12 sec.)
- Single output voltage : +24V

PROTECTIONS

- Overload / short circuit protection
- Time related output power / overcurrent protection
- Fuse protected AC input
- Automatic fault recovery (hiccup restart) functionality
- Microprocessor controlled protections

SAFETY & EMC

- IEC/EN/UL 60335-1
- IEC/EN/UL 60950-1

COOLING

- Free air convection

CONSTRUCTION

- Closed aluminium housing
- Cover is being used as a heatsink

CONNECTIONS

- | | |
|----------|--------------------|
| • Input | : 3 pins connector |
| • Output | : 4 pins connector |

DIMENSIONS & WEIGHT

- | | |
|--------------------------|-------------------------|
| • Dimensions (L X W X H) | : 225 × 70 × 68 mm |
| | : 12.6 × 4.5 × 3.5 inch |
| • Weight | : 0.9 KG |