

TP81A

Power Supply for a coffee dispenser, with a time protected peak output power of 450W.



Model ref: TPSF-150-3-E

OVERVIEW

- 150W power supply
- Able to deliver 3 times the nominal output power
- Low standby power
- Single-ended feed-forward topology
- Custom made

APPLICATION

- Range of professional coffee dispensers
- Main output of the PSU is used to supply the digital control electronics of the machine and one or two peltier elements
- The load of the other outputs consists out of valves, motors, relays and coffee dosing coils
- Operating 24/7

INPUT

- Jumper selectable input voltage range : 115 – 230 Vac
- Efficiency : > 80%

OUTPUT

- Nominal output power : 150W
- Peak output power : 450W
- Multiple output voltages : +10.5V
: +24V
: +30V

PROTECTIONS

- Overvoltage protection
- Overload protection

CERTIFICATES

- UL



- CE marked



SAFETY & EMC

- | | |
|---------------------|---------------------|
| • EN 50081-1 | • EN 50082-1 |
| • EN 55014 | • IEC/EN 61000-3-2 |
| • IEC/EN/UL 60335-1 | • IEC/EN/UL 60950-1 |

COOLING

- Limited air convection

CONSTRUCTION

- Open frame construction with two L shaped heatsinks
- PSU is screwed down to the metal mounting console of the machine

CONNECTIONS

- | | |
|----------|-----------------------------|
| • Input | : AMP Mate-N-Lok connectors |
| • Output | : AMP Mate-N-Lok connectors |

DIMENSIONS & WEIGHT

- | | |
|--------------------------|------------------------|
| • Dimensions (L X W X H) | : 205 × 95 × 55 mm |
| | : 8.1 × 3.7 × 2.2 inch |
| • Weight | : 0.6 KG |