



TP136A



195W PFC power supply used in coffee vending machines. Peak output power of 480W. Meets Energy Star requirements. Conforms to 60335-2-75.



Model ref: TPMS-193-2-A

OVERVIEW

- 195W power supply
- Wide universal input voltage range
- Power factor corrected
- 2 converters
 - : 24Vdc main converter with remote on/off functionality (Double feed-forward topology)
 - : 3.7Vdc auxiliary converter (Flyback topology)
- AC in voltage monitor output signal
- Custom made

APPLICATION

- Professional coffee vending machine
- Stand-by power of less than 0.3W
- High power demands for a short period of time caused by DC motors
- Operating 24/7

INPUT

- Input voltage range : 80 - 264Vac
- Leakage current : 1 mA RMS max.
- Efficiency : > 80%
- Class I

OUTPUT

- Nominal output power : 195W
- Peak output power : 384W (12 sec.)
: 480W (4 sec.)
- Multiple output voltages : +3.7Vdc
: 24Vdc

PROTECTIONS

- Under / overvoltage protection
- Overload / short circuit protection

- Time related output power / overcurrent protection

- Overtemperature protection

- Automatic latch-off functionality

- Microprocessor controlled protections

CERTIFICATES

- Energy Star



- CE marked



SAFETY & EMC

- EN 55014

- IEC/EN/UL 60335-1

- IEC/EN 60335-2-75

- IEC/EN/UL 60950-1

- IEC/EN 61000-3-2

- IEC/EN 61000-3-3

- IEC/EN 61000-4-2

- IEC/EN 61000-4-3

- IEC/EN 61000-4-4

- IEC/EN 61000-4-5

- IEC/EN 61000-4-6

- IEC/EN 61000-4-11

- IEC/EN 61000-6-2

- IEC/EN 61000-6-3

COOLING

- Free air convection

CONSTRUCTION

- Custom designed housing

: The power supply is built in a custom designed blank anodized aluminium L-bracket

CONNECTIONS

- Input

: 3-pins AMP Mate-N-lok

- Output

: Mini-Fit Jr. 10 pins

: Mini-Fit Jr. 2 pins

DIMENSIONS & WEIGHT

- Dimensions (L X W X H)

: 115 × 175 × 54 mm

: 4.5 × 6.9 × 2.1 inch

- Weight

: 0.7 KG