Total Power Europe
Specialist in power conversion

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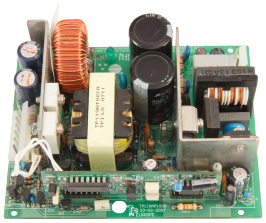
TP119A

70W Power supply used in an artificial respiration unit (patient homecare).



Model ref: TPSF-70-2-A

OVERVIEW

- 70W power supply
- Single-ended feed-forward topology
- Extended lifetime achieved by components choice
- TTL compatible integrated power fail signal
- Custom made

APPLICATION

- Artificial respiration unit (patient homecare)
- Fluctuating power demands of a DC motor
- Remote on/off functionality

INPUT

• Autoranged input voltage range	: 85Vac – 135Vac : 190Vac – 264Vac
• Leakage current	: 0.5 mA max.
• Efficiency	: > 80%
• Class II	

OUTPUT

• Nominal output power	: 70W
• Multiple output voltages	: 2x +12Vdc

PROTECTIONS

- Under / overvoltage protection
- Overload / short circuit protection
- Overtemperature protection
- Automatic fault recovery (hiccup restart) functionality

SAFETY & EMC

- EN 50081-1
- EN 50082-2
- EN 55011
- EN 55014

• IEC/EN/UL 60601-1	• 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

- Limited air convection at elevated ambient temperatures

CONSTRUCTION

- Mounted in customer’s housing

CONNECTIONS

• Input	: Leoco connector 3 pins
• Output	: Leoco connector 7 pins

DIMENSIONS & WEIGHT

• Dimensions (L X W X H)	: 125 × 100 × 40 mm : 4.9 × 3.9 × 1.6 inch
• Weight	: 0.45 KG