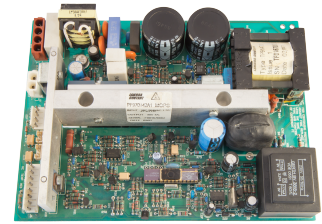


TP91A

Power Supply used in a portable satellite receiver / transmitter system. The UPS has an intelligent back-up battery charger.



Model ref: TPSF-120-4-A

OVERVIEW

- 120W Uninterruptible power supply
- Extended operating temperature range of -30 to +70 °C without derating
- Supplies uninterruptible power for handling AC mains interruptions: a connected Ni-Dc battery pack provides a full no break function
- An integrated intelligent battery charger provides optimal fast- and trickle charge current functionality related to parameters such as battery temperature, battery voltage and total charging time
- Remote on/off control
- Integrated driver output, which provides a temperature controlled output power to an external heater when the internal system housing temperature drops below 0°C
- Single-ended feed-forward topology
- Custom made

APPLICATION

- Portable satellite receiver / transmitter system
- The PSU supplies the internal DC BUS voltage
- Operating 24/7

INPUT

- Input voltage range : 187-264 Vac

OUTPUT

- Nominal output power : 120W
- Single output voltage : +30V

PROTECTIONS

- Overvoltage protection
- Overload / short circuit protection
- Overtemperature protection

SAFETY & EMC

- IEC/EN/UL 60950-1

COOLING

- Conductive convection of the central heatsink to the mounting console of the system's housing

CONSTRUCTION

- Open frame

CONNECTIONS

- | | |
|----------|------------------|
| • Input | : AMP connector |
| • Output | : JST connectors |

DIMENSIONS & WEIGHT

- | | |
|--------------------------|------------------------|
| • Dimensions (L X W X H) | : 197 × 145 × 43 mm |
| | : 7.8 × 5.7 × 1.7 inch |
| • Weight | : 0.9 KG |