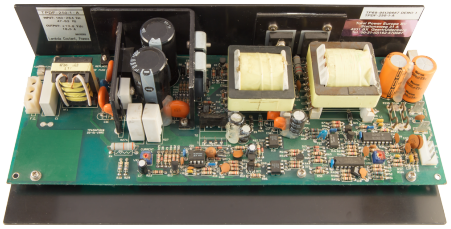
Total Power Europe
Specialist in power conversion

**Total Power Europe BV**
Kloosterstraat 5
4901 HR OOSTERHOUT
The Netherlands
Phone: +31 (0) 162 570087
Website: www.totalpower.nl
Email: info@totalpower.nl

# TP69A

Temperature compensated battery charger used to supply traffic information displays. This PSU is provided with remote sense and active current sharing.



Model ref: TPDF-250-1-A

## OVERVIEW

- 250W lead acid battery charger
- Remote sensing is used for compensating a voltage drop at the output wiring
- Double-ended feed-forward topology
- Temperate compensated output voltage guaranties an optimal lifetime of the connected battery
- Active soft-start circuit adequately limits the inrush current at both cold- and hot start conditions
- Custom made

## APPLICATION

- Traffic information displays at motorways
- System consists of up to 20 charger and battery combinations
- The chargers are parallelly contected to a single power bus
- The connection provides active current sharing and an uninterrupted supply of power

## INPUT

| | |
|---|---|
| • Input voltage range | : 180-264 Vac |
| • Leakage current | : 0.5 mA max. |
| • Leakage current | : > 80% |

## OUTPUT

| | |
|---|---|
| • Nominal output power | : 250W |
| • Single output voltage | : +13.8Vdc |

## PROTECTIONS

- Under / overvoltage protection
- Overload protection
- Overtemperature protection

## SAFETY & EMC

- EN 55022 (CISPR22) Class B
- IEC/EN/UL 60950-1

## COOLING

- Forced air convection recommended

## CONSTRUCTION

- Open frame
- L-bracket

## CONNECTIONS

| | |
|---|---|
| • Input | : 3 pins Amp Mate-N-Lok connector |
| • Output | : 4 pins Leoco connector |

## DIMENSIONS & WEIGHT

| | |
|---|---|
| • Size housing (LxWxH) | : 275 × 125 × 63 mm<br>: 10.8 × 4.9 × 2.5 inch |
| • Size PCB (LxWxH) | : 275 × 100 × 54 mm<br>: 10.8 × 4 × 2.1 inch |
| • Weight | : 1.4 KG |