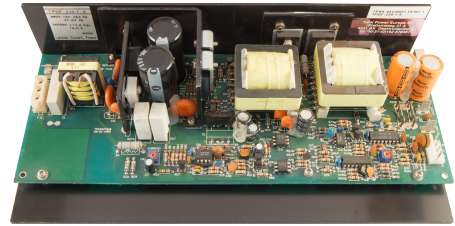


## TP69A

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
- Temperature compensated output voltage guarantees 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 connected 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  
: 10.8 × 4.9 × 2.5 inch
- Size PCB (LxWxH) : 275 × 100 × 54 mm  
: 10.8 × 4 × 2.1 inch
- Weight : 1.4 KG