

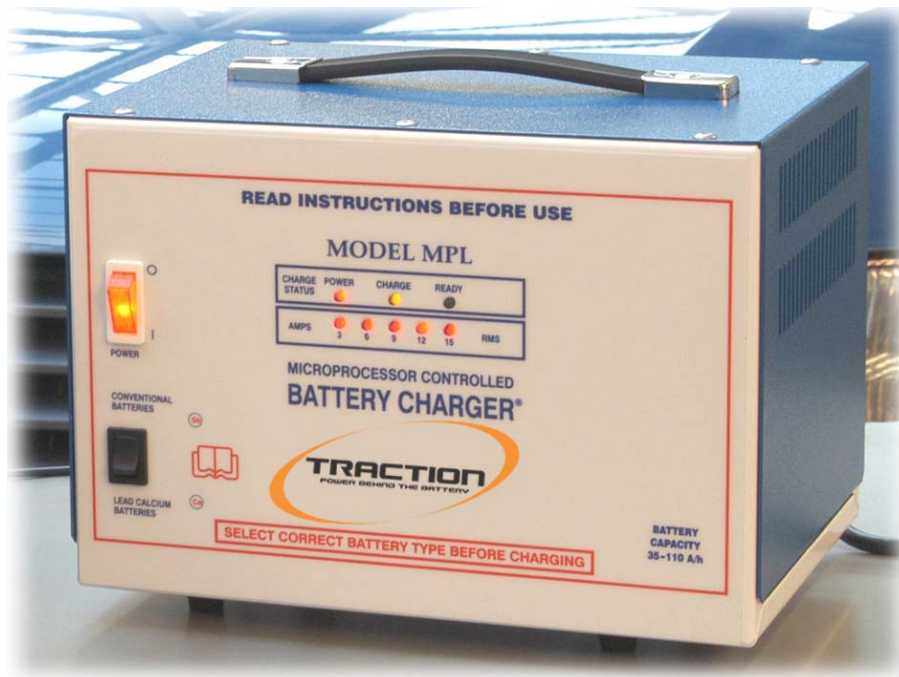
Battery Charger

MPL 10A

TRACTION
POWER BEHIND THE BATTERY

TCR0001

The new battery charger has built in intelligence, designed to deliver exactly the right amount of charge automatically every time.



Features

- Patented Sulphation Recovery Programme
- Short circuit shutdown without blown fuse
- Reverse polarity protection
- Soft start current control
- Fast constant current bulk charge
- 3-stage charging ci-cv-float
- Constant voltage float/standby
- Proportional timing – minimal gas emission
- Led ladder ammeter – no moving parts to jam
- Independent overrun timer
- Accurate zero-crossing voltage sensing
- Digital electronics – for stability and reliability
- Flexibility – to match battery specification



Technical Information



TRACTION
POWER BEHIND THE BATTERY

Patented Sulphation Recovery Programme

At the start of each charge the MPL tests the battery to determine if it is deeply discharged or if sulphation has occurred and then applies the correct recovery programme. The MPL will start charging even if the battery is discharged down to 1 volt.

Soft Start

Prevents a high inrush of current to small and partially discharged batteries at the beginning of the charging process, to minimise plate surface charging and heating and consequent damage to the battery

Proportional Timing

Varies the second (constant voltage) stage in proportion to the time taken for the first stage (constant current). This allows optimal charging by ensuring sufficient gassing to prevent stratification by mixing the electrolyte thoroughly and eliminating overcharging (an effect that can happen with fixed charge timers). The result is lower electrolyte loss and reduced battery maintenance.

Constant Voltage Float

After the charging cycle has been completed the MPL switches into standby mode which compensates for self discharge and holds the battery at peak charge ready for use indefinitely without overcharging.

The led ladder ammeter

Provides accurate charging indication and is more efficient, more rugged and more reliable than a conventional analogue ammeter

Short circuit shutdown

Prevents damage to the charger if the d.c. output is short circuited, or if the battery is connected with wrong polarity, without blowing fuses.

Available in 110/220 & 240 volt input models

Weight and dimensions:

12volt 10amp	8kg	25cm x 18cm x 19cm
12volt 20amp	15kg	28.5cm x 20cm x 21cm

Recommended Applications

12v/10A for batteries between 35 and 110 Ah
24v/10A for batteries between 35 and 110 Ah

