



# BATTERY CHARGER

## MULTI STAGE CHARGING SYSTEM

### 12 Volt - 7 Stage – 6 Amp Smart Battery Charger

Perfect for charging & maintaining 12v - Car, 4wd, RV, Marine & light Commercial Batteries

The **Power Train** PTC12V6A7SL smart battery charger is designed to charge light medium and heavy duty batteries. Including GEL, Lead Acid, AGM and Calcium battery chemistries like those used in motorcycles, cars, boats, jet-skis, light commercial and industrial equipment.

The charger is controlled by sophisticated on board programming, enabling quick and safe charging as it implements a 7 stage charging algorithm, (De- sulphation, soft-start, Bulk, absorption, Analysis, Boost, Float) and can remain connected to a battery indefinitely providing a safe and efficient maintenance program.

This Automatic charger can remain connected to the battery without risk of overcharging, as the internal electronics will stop the charging when the battery is fully charged. Once the battery is fully charged, the charger monitors the battery voltage and continues to top up & to maintain the battery, keeping it fully charged and ready for use.

The PTC12V6A7SL is packaged with standard charger clips, along with a interchangeable ring terminal charging lead. The unit can also be connected to the “CR1 Battery Status indicator & Plug” (Optional extra)



**LED DISPLAY**  
Charging Volts.  
% Of Charge.  
Chemistry.



<b>Model No:</b>	<b>PTC12V6A7SL</b>
<b>Output Current</b>	6 Amp
<b>Output Voltage (Nom)</b>	12 Volt
<b>Input Voltage</b>	175-255VAC / 50-60Hz
<b>Battery Type Selectable</b>	Gel / Calcium / Lead Acid - AGM
<b>Charge stages</b>	7 Stages
Desulphation	High Frequency Pulse
Soft Start	Slowly start the charging process
Bulk Charge	Maximum Current until preset voltage reached
Absorption	Constant voltage with automatic amperage control
Analysis	Analyse the battery condition
Boost	Higher voltage charge at limited current
Maintain / Float	Pulse to maintain maximum charge
<b>Output Voltage (Bulk)</b>	14.3V Gel / 15.6V Cal / 14.8V LA & AGM
<b>Output Voltage (Absorption)</b>	14.3V Gel / 15.6V Cal / 14.8V LA & AGM
<b>Output Voltage (Float)</b>	13.3V Gel / 13.7V Cal / 13.7V LA & AGM
<b>Battery Range (Charge)</b>	Up to 700CCA or 100A/h
<b>Battery Range (Maintain)</b>	Up to 1000CCA or 200A/h

**Available from**

### Features

- Heavy duty design.
- IP65 Water resistance rated.
- CE, EMC, SAA & C-Tick Approved.
- Selectable for GEL, Lead Acid / AGM and Calcium charging modes.
- Charging state LED indicators.
- Charges from Zero Volts.
- Fully automatic 7 stage charging system.
- Desulphation mode with pulses & Soft start for severely discharged batteries. Charges severely drained batteries, and can recover the capacity of a severely discharged battery.
- Maintenance stage pulse charging increases battery life and gives increased performance. The charger can be connected and left running for months, without fear of overcharging or damaging the battery.
- Reverse polarity protection, short circuit protection, overload protection, high temperature protection, overcharge protection
- Compact design with mounting holes for permanent fitting if required.