



BATTERY CHARGER

HIGH CURRENT MULTI STAGE

12 Volt, 8 Stage, High current chargers

**Ideal for workshops, caravans, motorhomes, boats or anywhere
a large or quick charge is required.**

This range of highly advanced microprocessor controlled fully automatic chargers have the most advanced 8 stage charging cycle for those serious about battery recharging. The microprocessor controlled 8 stage charging algorithm revives, charges, checks and maintains virtually all types of 12V lead-acid batteries (Gel, Calcium, Lead Antimony and AGM) and ensures your battery receives the optimum charge and maintain.

These **Power-Train** battery chargers are ideal for the high power demands of workshops, caravans, motor homes and large boats delivering a comprehensive and accurate charge that gives your batteries longer life and better performance.



Features

- Microchip controlled eight (8) Stage charging cycle including: desulphation, soft start; bulk; absorption; analysis (battery fault diagnosis); boost; float and maintenance stages.

- LED display simultaneously showing charging voltage, charging amperage and percentage of battery charge (99% flashing when fully charged) Battery type L.E.D indicators and illuminated charge curve diagram (clearly identifying charging stage and sequence to the operator). Battery testing function while charging (faulty batteries will activate the 'Faulty Battery' indicator L.E.D and the warning alarm).

- Battery type selector button to select the battery chemistry GEL, Calcium or Lead Antimony / AGM to suit the battery type. Once selected, the charger remembers the chemistry selected, and won't change unless you change the chemistry again.

- Desulphation mode with pulses & Soft start for severely discharged batteries. Charges severely drained batteries, and can recover the capacity of a severely discharged battery.

- Float stage & Maintenance 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. Built-in automatic Cooling Fan.

Model No:	PTDC12V20A	PTDC12V30A	PTDC12V40A
Output Current	20A	30A	40A
Output Voltage (Nom)	12V		
Input Voltage	175-255VAC / 50-60Hz		
Battery Type Selectable	Gel / Calcium / Lead Acid - AGM		
Charge stages	8 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		
Float:	Constant Voltage at required Current		
Maintain:	Pulse to maintain maximum charge		
Output Voltage (Bulk)	14.2V Gel / 15.6V Cal / 14.7V LA & AGM		
Output Voltage (Absorption)	14.2V Gel / 15.6V Cal / 14.7V LA & AGM		
Output Voltage (Float)	13.3V Gel / 13.7V Cal / 13.7V LA & AGM		
Dimensions (L x W x H)	275 x 205 x 90	295 x 205 x 90	333 x 205 x 90
Dimensions Incl Bracket	275 x 235 x 90	295 x 235 x 90	333 x 235 x 90
Battery Range (Deep Cycle)	17-400 A/H	17-600 A/H	17-800A/H

CHARGING VOLTAGE	BATTERY CAPACITY	CHARGING CURRENT
LED Display panel information		
Charging Voltage	Actual Voltage of charge (V)	
Battery Capacity	Amount of Charge in the Battery (%)	
Charging Current	Amount of current going into the battery (A)	
Charging Stage	Stage of the charging process	
Battery Type	Lead Acid & AGM / Calcium / Gel	

Available from