

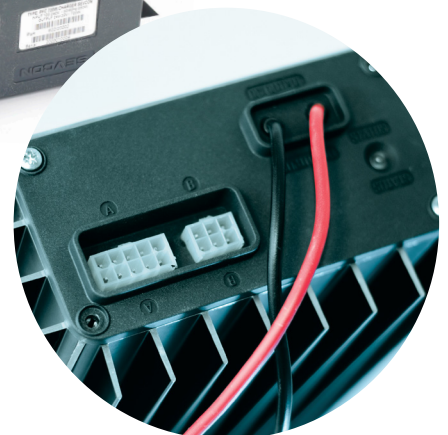
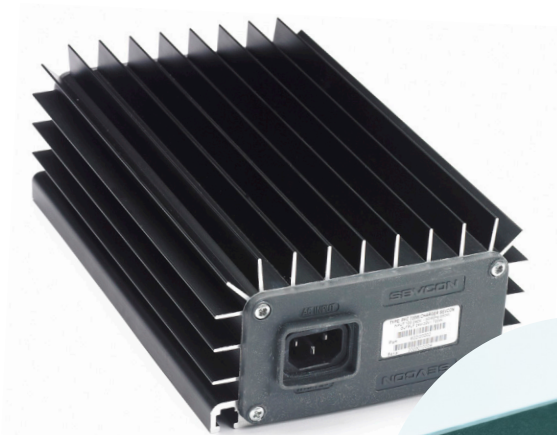
# PFC Charger

## PFC Charger

The PFC Battery Chargers use an efficient 4-stage charge curve designed to efficiently charge a vehicle battery whatever the status of its residual charge. Connected permanently to the battery, the unit allows “opportunity” charging while the machine is not in use. Driving may be inhibited when vehicle is on charge using the integral relay in series with the vehicle key switch. The PFC Battery Charger can be convective or conductive cooled.

## Features

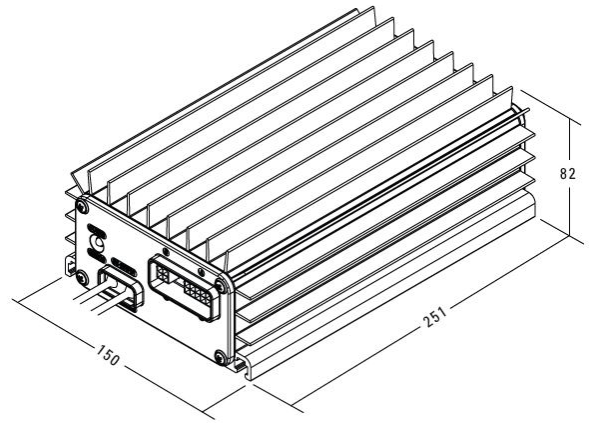
- Compact size
- Universal 95-265VAC PFC input voltage
- OVC operation
- Reverse battery protection
- Short circuit protection
- Thermal protection
- Charge state LED
- IP54 protection
- Optional float/overcharge modes



## Key Features

- Input voltage: 95-265VAC
- Input frequency: 40-70Hz
- Maximum output power: 850W +/- 5%

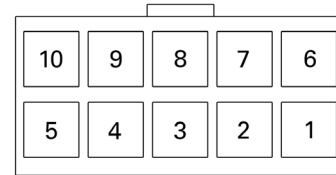
Peak Output Current	32A	22A	17A	11A
Nominal Battery Voltage	24V	36V	48V	72V



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## Longer Life

The charging method used contributes significantly towards longer battery life. The chargers also feature a hardware reverse battery connection protection.

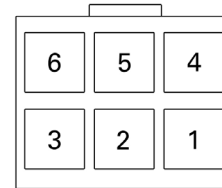


PL1

1 Profile	6 Return
2 Profile	7 Return
3 Green LED	8 Return
4 Red LED	9 Relay Common
5 Relay NO	10 Relay NC

## Charging Batteries with Low Terminal Voltage

Charging can be initiated with a terminal voltage as low as 0V, allowing the charger to break through heavily sulfated batteries and initiate a charge cycle. The system is protected against true short circuit conditions via a built in timer function.



PL2

1 Prog TX	4 Fan +
2 Prog RX	5 Return
3 PTC*	6 Return

\* reserved for future use

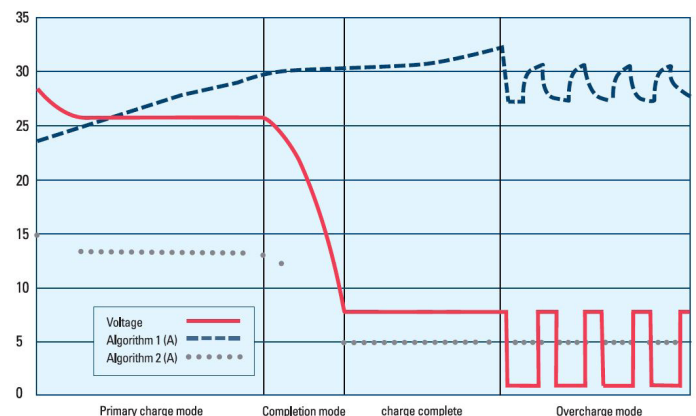
## Integrated I/O

The PFC Charger includes a fully integrated set of inputs and outputs (I/O) designed to handle a wide range of vehicle requirements. This eliminates the need for additional external I/O modules or vehicle controllers and connectors.

## Compact Size

The PFC Charger's compact power-to-size ratio offers designers greater freedom in installation. Sevcon's PFC Charger is a highly cost effective alternative to fixed or wallmounted chargers.

## Typical Charge Curves



For more information visit [sevcon.com](http://sevcon.com)