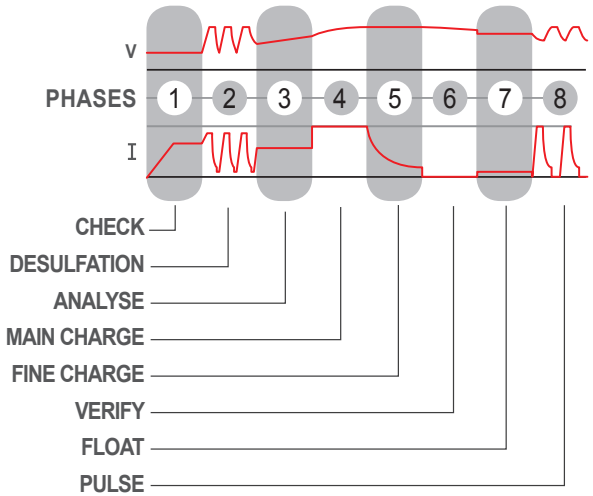
TELWIN

Pulse Tronic

ELECTRONIC CONTROL OF THE CHARGING PROCESS

FOR ALL TYPES OF BATTERIES AT 6/12/24V

Wet | Gel | Pb-Ca | AGM MF



1. **CHECK**
   control of battery conditions and check of correct voltage set on display
2. **DESULFATION**
   detection and recovery of sulphated batteries; pulses allow the removal of sulphate from the lead plates thus restoring initial capacity
3. **ANALYSE**
   analysis of the battery status to check is battery is faulty or not
4. **MAIN CHARGE**
   recharge with the maximum current up to 80% of the battery capacity
5. **FINE CHARGE**
   recharge with decreasing current up to 100% of the battery capacity
6. **VERIFY**
   check run to verify if the battery holds the charge
7. **FLOAT**
   maintenance of the charge at constant voltage
8. **PULSE**
   recovery of optimal charge by pulses

Pulse Tronic technology is based on instant, precise diagnosis of battery conditions combined with specific intervention to restore the best operation.
PulseTronic technology, through intelligent monitoring and use of particular wave forms (pulses), manages to maintain excellent charging without generating heating or degrading heating to the chemical structure of the battery, even during prolonged periods (e.g. maintenance of vehicles during the period of non-use).

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Pulse Tronic

ELECTRONIC CONTROL OF THE CHARGE PROCESS

- ✓ complete control of the load current
- ✓ safeguarding the electronics on board the vehicles without disconnecting the battery during charging
- ✓ limited heating of the battery during loading
- ✓ increased battery duration

Constant control of the charging process on the one hand prevents possible battery overcharging and overheating, and on the other hand returns the battery to optimal condition, the result is a perfectly charged battery with an extended battery life.

The charge maintenance process is as important as the charging process, when batteries are not used for long periods of time and therefore tend to naturally discharge.

PulseTronic technology is also particularly attentive to safety, creating and defining the correct conditions to completely safeguard the electronics on board the vehicles when charging/maintenance of the battery is in progress without disconnecting the vehicle. The multiple advantages of this technology are evident also in simultaneous charging of multiple batteries in series or in parallel.

PulseTronic, Made in Telwin, is Telwin's answer to intelligent charging/maintenance of traction batteries used in the automotive sector, whether on motorbikes, cars, lorries, excavators, etc.

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