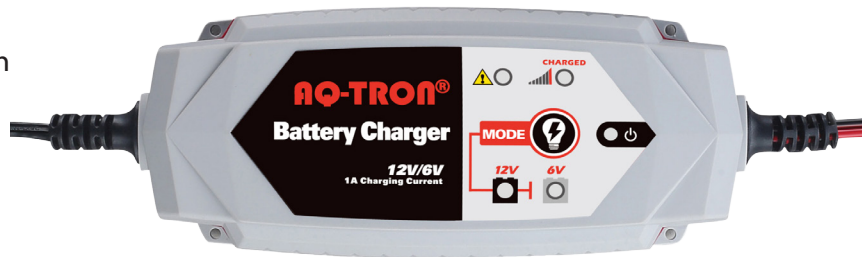


AQ-TRON® SMART CHARGERS

Smart charging

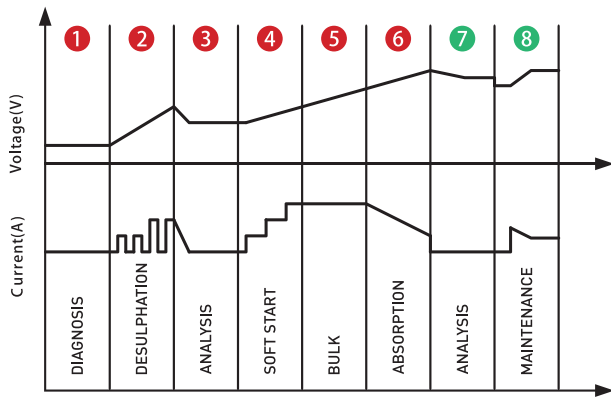
These AQ-TRON chargers maximize the life of your battery through a series of 4 to 10 steps in a unique charging process, the chargers constantly monitor the condition of the battery. When required, they take appropriate action: desulphating, reviving, charging, conditioning and maintaining.



AQ-TRON chargers regulate the charge voltage to protect sensitive and expensive electronics. Some AQ-TRON chargers recondition and help revive deeply discharged batteries. Others even have a backup power supply mode, so you can change your vehicle's battery without losing any program settings. Once the charger is connected, you can forget about how long the battery needs to be charged or whether it is sulphated. Our chargers take care of all this automatically. We call it "connect and forget".

Reference	Voltage input	Watt	Voltage Output	Ampere	Type	Ah	Dimensions (mm)	Weight (kg)
LAD/AQ1000	220-240	20	6/12V	1A	All types 6V/12V lead-acid batteries	Max. 30Ah	130 x 60 x 34	0,25
LAD/AQ2000	220-240	40	6/12V	2A	All types 6V/12V lead-acid batteries & 12V lithium batteries	Max. 60Ah	235 x 82 x 122	0,4
LAD/AQ3500	220-240	70	6/12V	3.5A	All types 6V/12V lead-acid batteries & 12V lithium batteries	Max. 120Ah	265 x 92 x 122	0,52
LAD/AQ5000	220-240	70	6/12V	5A	All types 6V/12V lead-acid batteries & 12V lithium batteries	Max. 120Ah	265 x 92 x 122	0,52
LAD/AQ7000	220-240	120	12/24V	7/3.5A	All types 12V/24V lead-acid & 12V Lithium batteries	14-230AH (12V) 14-115Ah (24V)	310 x 118 x 142	0,85
LAD/AQ15000	220-240	350	12/24V	15/7.5A	All types 12V/24V lead-acid & 12V Lithium batteries	50-400Ah (12V) 25-200Ah (24V)	437 x 125 x 207	1,5





1 STEP 1 DESULPHATION

Pulsing voltage removes sulphates from the lead plates in the battery and restores battery capacity.

2 STEP 2 SOFT START

Tests if the battery can take charge. Charging begins if the battery is OK.

3 STEP 3 BULK

Charges at maximum current, to approx. 80% of the battery capacity.

4 STEP 4 ABSORPTION, Ready for use

Charges at declining current until the battery has reached 100% of battery capacity.

5 STEP 5 ANALYZE

Tests if the battery can hold charge. Batteries that cannot hold charge may need replacement

6 STEP 6 RECOND

Reconditioning function for deeply discharged batteries.

7 STEP 7 FLOAT (maintenance)

Fully charged
Maintains the battery voltage at maximum level by providing a constant voltage charge.

8 STEP 8 PULSE, Maintenance charging

Maintains the battery at 95-100% capacity. The charger monitors the battery voltage and gives a pulse when necessary, to keep the battery fully charged.



Optimization

Stabilizes internal battery chemistry for increased performance and longevity.



Load Tracking

Dynamically changes charge current when a load is placed on the battery.



Diagnostics

Intuitive visual diagnostic tool for detecting reverse polarity, low-voltage or damaged batteries.



Energy-Save

Minimizes energy consumption when full power is not needed.



Safe

Protects against reverse polarity, sparks, overcharging, overcurrent, open-circuits, shortcircuits and overheating.



Memory

Returns to last selected mode when restarted.



Interactive

Alters the charging process based on organic battery feedback.



Recovery

Applies a high-voltage pulse charge when low voltage, sulfation, or lost capacity is detected.



Rugged

Dirt, water, UV, impact, and crush resistant.



Maintenance Plus

Keeps the battery fully charged without overcharging, indefinitely.