

BATTERY CHARGERS



AQ-TRON®

SMART CHARGERS

This microprocessor controlled battery chargers don't only charge your batteries correctly, but also prolong the battery life!

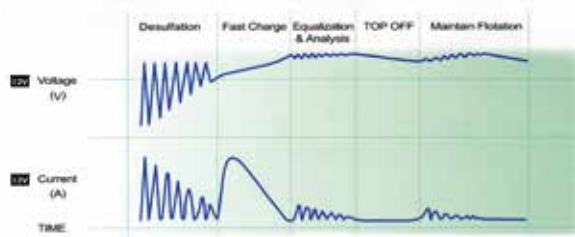
THE CHARGERS WORK IN 5 PHASES:

- 1) **Desulfation:** recovers a deep discharged or lightly sulfated battery.
- 2) **Fast charge:** the battery will be charged up to 75 % in the fastest and most efficient way.
- 3) **Equalisation:** when the battery is charged for 75%, the charger switches to a charge mode which charges the battery in a safe way.
- 4) **End charge:** the battery will be fully charged without over-charging!
- 5) **Maintenance:** makes that the battery stays fully charged.

These chargers are appropriate for charging 12V batteries: SLI / VRLA / GEL / AGM / Calcium-Calcium / Spiral Cell.



THE VOLTAGE



COMPARISON TABLE

	REF.	BAT/36549	BAT/38942	BAT/36550	BAT/36551	BAT/36552	BAT/35952	BAT/40486	BAT/40488
Alt.		LAD/AQHF12V1.5A	LAD/AQHF12V3A	LAD/AQHF12V5A					
Voltage		12V Batt.	12V Batt.	12V Batt.	12V Batt.	12V Batt.	12V Batt.	24V Batt.	24V Batt.
Amperage		1.5 Amp	3 Amp	5 Amp	2/12 Amp	5/30 Amp	5 Amp	2,5 Amp	4 Amp
Input 220 ~ 240 Vac		•	•	•	•	•	•	•	•
Motor Starting						90 Amp			
high frequency		•	•	•	•			•	•
Controlled by microprocessor		•	•	•	•	•	•	•	•
5-phase charges		•	•	•	•				
Several batteries							4 ports		
IP 65 (protected against dust / splash / rain)		•	•	•				•	
Protected against short circuits		•	•	•	•	•	•	•	•
Protected against overcharging		•	•	•	•	•	•	•	•
Displaying Amp / Voltage									
Charge voltage adjustable						•			

Battery Charger		BAT/36549	BAT/36551	BAT/38942	BAT/36550 - BAT/35952	BAT/36552
Voltage		1.5 Amp - 12V	2/12 Amp - 12V	3 Amp - 12V	5 Amp - 12V	30 Amp - 12V
CCA						
	100	✓ 5 hrs	✓ 3.8hrs	✓ 2.6hrs	✗	✗
	120	✓ 6hrs	✓ 4.5hrs	✓ 3.2hrs	✗	✗
	200	Maintain	✓ 8hrs	✓ 6hrs	✓ 3.5hrs	✗
	300	Maintain	✓ 2hrs	✓ 8hrs	✓ 6hrs	✗
	400	Maintain	✓ 3.3hrs	✓ 11hrs	✓ 7.5hrs	1.5hrs
	500	Maintain	✓ 4.2hrs	15hrs	✓ 10hrs	✓ 1.8hrs
	600	Maintain	✓ 5hrs	18hrs	12hrs	✓ 2.2hrs
	750	✗	✓ 6.5hrs	23hrs	15hrs	✓ 2.8hrs
	Deep Cycle	Maintain	✓	✓	✓	✓

● Recommended
 ● Can be used
 ● Not recommended



Ref.	V	A	Dim. mm	kg
BAT/36549	12	1.5	130 x 60 x 50	0.55
BAT/38942	12	3	130 x 60 x 50	0.55



Ref.	V	A	Dim. mm	kg
BAT/36550	12	5	160 x 96 x 54	0.85
BAT/40486	24	2.5	160 x 96 x 54	0.85



Ref.	V	A	Dim. mm	kg
BAT/36551	12	2-12	195 x 124 x 68	1.4
BAT/40488	24	4	195 x 124 x 68	1.4

SMART CHARGER

▶ **BAT/48232**

Smart Charger 12/24V / 25A

12V/24V Compatibility, Memory Function, Fully Interactive, MCU controlled program, Fast Charging Technology, Power Factor Correction, Complete Protection, All Types of Battery, Abnormally protection, Recovery Mode, Extendable Connectors, Cold/AGM Mode.

- Battery Voltage: 12V / 24V
- Voltage selection: Automatic
- Min-Max capacity of battery for charging: 50-450A(12v) / 25-230A(24v)
- Max. battery capacity for maintenance: 500A
- Charging current (Amp.): **12V 25A ±10% – 24V 12,5A ±10%**
- Battery types: WET, MF, GEL, ...
- Charging program: Constant current, constant voltage
- Ambient temperature, output is reduced automatically at high temp: Reduced output power at higher temperature
- IP Protection: IP44 (Fan version)

▶ **BAT/36552**

12V - 4A-30A (90A engine start)
 Size: 200 x 200 x 150 mm
 Weight: 6.3 kg



▶ **BAT/35952: 12V - 5A**

Automatic battery charger, suitable to charge 4 batteries simultaneously

Appropriate for maintenance charges, recovery charges and standard charges. For lead acid batteries: SLI, open lead-acid batteries, maintenance-free batteries (MF), AGM-batteries and GEL batteries, ...

- Microprocessor controlled.
- LED indication: red & green.
- Protected from: reversed polarity, sparks and overcharges.
- Stable output.
- Less warmth consumption.
- Input voltage: 220Vac-240Vac
- Output voltage: 12Vdc
- Size: 350 x 190 x 75 mm

