

SC120 12A Charger



The **SC120** is the ideal products for agricultural vehicle, vans and trucks with 12V batteries with capacity up to 480 Ah.

It offers charging programs especially developed for Start & Stop batteries: AGM VRLA and EFB.

The OBDII cable is included for today's technically advanced vehicles allowing the car to maintain power during battery replacement without memory loss.



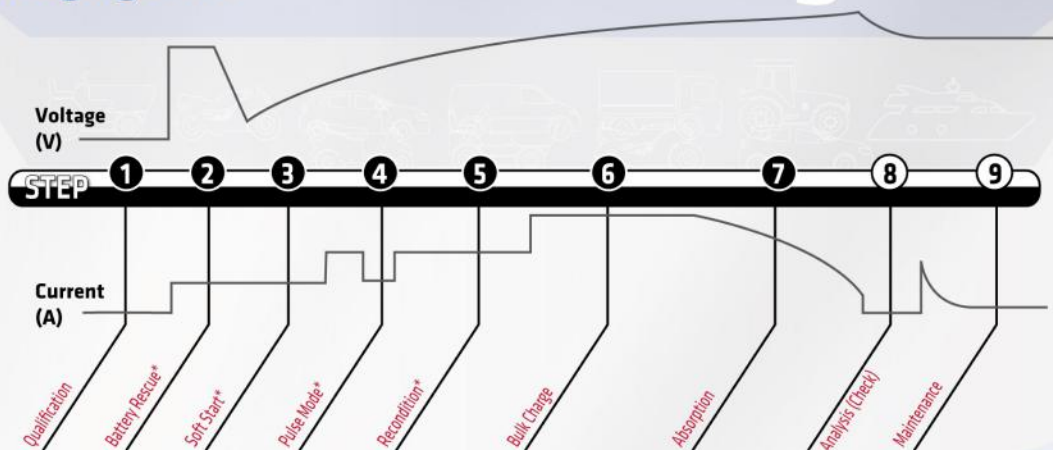
Heavy duty crocodile clamps with OBDII cable are included

Technical specifications:

Applications	For all lead acid batteries 12 v up to 480 Ah
Input voltage	100-240 Volts automatic
Output voltage	12 Volts
Output current	3,8 A / 12,0 A selectable
Charging program	The SC120 , through its advanced microprocessor, performs up to 9 different charging/inspection functions. Special charging programs for Start & Stop batteries : AGM VRLA and EFB.
Ingress protection rate	IP 20
Safety features	Reverse polarity, short circuit, spark proof, overload, overheat and auto-stop
Memory data saver	Yes through OBDII cable (provided)
Certifications	CE RoHS
Sizes	L 231 mm x W 131,4 mm x H 68 mm
Weight	1200 gr



9 step charging curve SC120 12A Charger



Steps 2, 3, 4 and 5 are desulfation

1. QUALIFICATION : ensure the battery is in good condition before launching of normal charge processes.

2. BATTERY RECOVERY : battery recovery starts if battery voltage has increased abnormally during the first charging cycles.

3. SOFT START : a soft charge starts when the charger has detected a battery at a very low initial state of charge

4. PULSE MODE : This pulse charge helps the newly recovered battery to continue to accept charge as it enters the reconditioning step.

5. RECONDITIONING : the reconditioning step starts once pulse charge is complete. During this step, the battery is charged with a higher voltage and current to "re-activate" the battery plates

6. BULK CHARGE : when the battery is now having gone through Qualification and Recovery steps, the Bulk Charge gives the battery constant current, taking the battery up to 80 % of its full capacity

7. ABSORPTION: during this step, a constant voltage is given to the battery while current is decreasing. This step allows the battery to be 100% charged

8. ANALYSIS AND CHECK : the battery will now be checked to ensure that it is holding the charge

9. MAINTENANCE : the battery can be left safely connected to the charger indefinitely. The charger will constantly monitor the battery and "turn on" again as needed to maintain the battery at a full state of charge.

*Asterisks denote the steps of battery recovery processing (desulfation)

