



CTEK MXS 5.0

12V/5A



ADVANCED CHARGING WITH TEMPERATURE COMPENSATION

The MXS 5.0 is an advanced microprocessor controlled battery charger with automatic temperature compensation built in providing unrivalled performance on lead-acid batteries from 1.2Ah up to 110Ah. The MXS 5.0 solves a broad range of battery problems and is the ideal charger for the user with high demands. Features of the MXS 5.0 include diagnosis of battery condition to establish if it can receive and retain charge, patented automatic desulphation step and a special reconditioning step that will revive and restore deeply discharged and stratified batteries. **AGM** option is perfect for maximising performance and life of most Stop-Start batteries. The built in temperature compensation ensures ideal charging performance even in the most extreme conditions. Patented Float/Pulse maintenance makes the MXS 5.0 ideal for long-term maintenance. The entire process of battery testing, charging and maintenance is easily followed on the clear LED display.

The MXS 5.0 is a fully automatic "connect and forget" 12V charger with 8 charging steps and offers selectable and programmes. The **RECOND** and **AGM** options operate individually or together in both and programmes providing great flexibility for the user. Wide charging range on all lead-acid battery types from 1.2Ah up to 110Ah with additional maintenance capability to 160Ah. Splash proof and dust proof (IP65). The MXS 5.0 is easy and safe to use, protects vehicle electronics, is spark-free, reverse polarity protected and short circuit proof. The MXS 5.0 features a 5-year warranty.

TECHNICAL DATA

CHARGING VOLTAGE	14.4/14.7/15.8V
CHARGING CURRENT	Max 5A
TYPE OF CHARGER	8 step, fully automatic charging cycle
TYPE OF BATTERY	12V lead-acid batteries
BATTERY CAPACITY	1.2 - 110Ah, up to 160Ah for maintenance
INSULATION	IP65 (splash and dust proof)
TEMPERATURE COMP.	Built In

4
Step 4 - Battery ready to use

7
Step 7 - Battery fully charged

8
Step 8 - Maintenance charging



Program for charging small batteries



Program for charging normal batteries

AGM

Option for charging AGM and Stop-Start batteries

RECOND

Option for reconditioning deeply discharged batteries



THE SMARTEST BATTERY CHARGERS IN THE WORLD



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Complete battery care – unique and patented system to recover, charge and maintain all lead-acid battery types to maximise performance and extend life.

Safe and easy to use – user safety through spark free operation and reverse polarity protection. Vehicle electrical safety through exceptionally clean voltage and current delivery with no surges or spikes. No need to disconnect battery from the vehicle when charging.

"Connect and forget" – simple plug and play operation. Select the program and mode and leave the charger to do the rest.

Unique 8 step charging – the patented 8 step programme tests battery condition and revives, charges and maintains to ensure maximum battery life and performance. RECOND recovers deep discharged and stratified batteries. FLOAT/PULSE maintenance ensures ideal battery care during periods of inactivity.

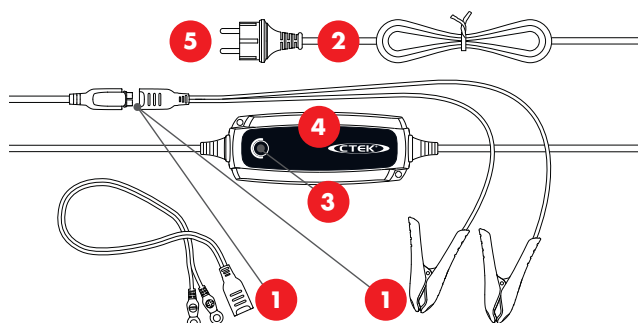
Temperature compensation – built in automatic charge voltage compensation depending on ambient temperature ensures ideal charging in extreme cold or hot weather conditions.

Extends battery life – the unique features of CTEK chargers combine to ensure maximum battery reliability, performance and life.

Multiple charging programs and options

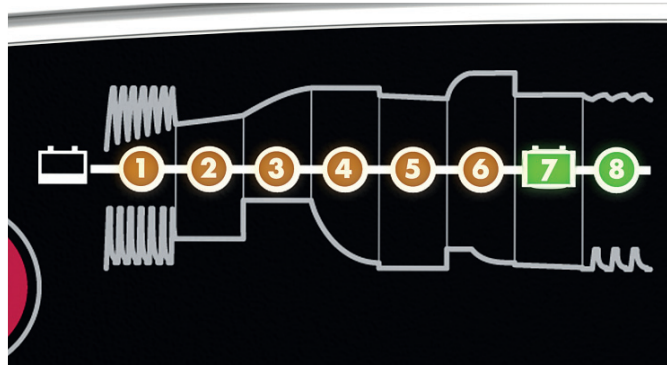
1. Connect the charger to the battery.
2. Connect the charger to the wall socket.
3. Press the MODE-button to combine charging program or with options **AGM** and/or **RECOND**.

Press and release the MODE button several times until the desired combination of charging program (,) and options (**AGM**, **RECOND**) is lit.



4. Follow the 8-step display through the charging process. The battery is ready to start the engine when STEP 4 is lit. The battery is fully charged when STEP 7 is lit.
5. Stop charging at any time by disconnecting the mains cable from the wall socket.

UNIQUE 8 STEP CHARGING FROM CTEK



- STEP 1 DESULPHATION**
Pulsing voltage removes sulphates from the lead plates of the battery restoring the battery capacity.
- STEP 2 SOFT START**
Tests if the battery can accept charge. Charging begins if the battery is OK.
- STEP 3 BULK**
Charging with maximum current until approximately 80 % battery capacity.
- STEP 4 ABSORPTION, BATTERY READY TO USE**
Charging with declining current to maximize up to 100 % battery capacity.
- STEP 5 ANALYSE**
Tests if the battery can hold charge. Batteries that cannot hold charge may need to be replaced.
- STEP 6 RECOND**
Reconditioning function for deeply discharged batteries.
- STEP 7 FLOAT, BATTERY FULLY CHARGED**
Maintaining the battery voltage at maximum level by providing a constant voltage charge.
- STEP 8 PULSE, MAINTENANCE CHARGING**
Maintaining the battery at 95-100 % capacity. The charger monitors the battery voltage and gives a pulse when necessary to keep the battery fully charged.

GUARANTEED QUALITY WITH CTEK

CTEK customer support is available to answer any questions related to charging and CTEK chargers. Safety, simplicity and flexibility characterizes all products and solutions developed and sold by CTEK. CTEK supply chargers to more than 60 countries throughout the world. CTEK is also a reliable OEM supplier to many of the world's most prestigious car and motorcycle manufacturers.

Contact customer support: info@ctek.com



Some experts believe the incorrect or prolonged use of almost any product could cause serious injury or death. For information that may reduce your risk of serious injury or death consult the points below and additionally, the information available at www.datastreamserver.com/safety

- Consult all documentation, packaging and product labelling before use. Note that some products feature online documentation which should be printed and kept with the product.
- Check product for loose / broken / damaged / missing parts, wear or leaks (if applicable) before each use. Never use a product with loose / broken / damaged / missing parts, wear or leaks (if applicable).
- Products must be inspected and serviced (if applicable) by a qualified specialist every 6 months assuming average residential use by a person of average weight and strength, above average technical aptitude, on a property matching average metropolitan specification. Intended use outside these guidelines could indicate the product is not suitable for intended use or may require more regular inspection or servicing.
- Ensure all possible users of the product have completed an industry recognised training course before being given access to the product.

- The product has been supplied by a general merchandise retailer that may not be familiar with your specific application or your description of the application. Be sure to attain third party approval for your application from a qualified specialist before use regardless of prior assurances by the retailer or its representatives.
- This product is not intended for use where fail-safe operation is required. As with any product (take an automobile, aircraft, computer or ball point pen for example) there is always a small chance of a technical issue that needs to be repaired or may require replacement of the product or a part. If the possibility of such failure and the associated time it takes to rectify could in any situation inconvenience the user, business or employee or could financially affect the user, business or employee then the product is not suitable for your requirements. This product is not for use where incorrect operation or a failure of any kind, including but not limited to a condition requiring product return, replacement, service by a technician or replacement of parts could cause a financial loss, loss of employee time or an inconvenience requiring compensation.
- If this item has been purchased in error considering the points above simply contact the retailer directly for details of their returns policies if required.