

**CTEK MXS 3.8****3.8 A****COMPLETE  
BATTERY  
CARE**

## ALL ROUND CHARGER WITH PATENTED FLOAT/PULSE MAINTENANCE

### CTEK MXS 3.8

The MXS 3.8 is an advanced microprocessor controlled battery charger with patented Float/Pulse maintenance for use on batteries from 1.2Ah up to 85Ah. The MXS 3.8 solves a broad range of battery problems and is the ideal charger for everyday use. Features of the MXS 3.8 include diagnosis of battery condition to establish if it can receive and retain charge, patented automatic desulphation program and a special 'Snowflake' mode for optimum charging on cold winter days. Patented Float/Pulse maintenance means the MXS 3.8 is ideal for long-term maintenance. The entire process of battery testing, charging and maintenance is easily followed on the clear LED display.

The MXS 3.8 is a fully automatic 'connect and forget' 12V charger with 7 charging steps and offers selectable 0.8A, and 3.8A programs. The 'Snowflake' mode operates on the 3.8A program. It offers a wide charging range on all lead-acid battery types from 1.2Ah up to 80Ah with additional maintenance capability to 130Ah. It is splash proof and dust proof (IP65). The MXS 3.8 is easy and safe to use, protects vehicle electronics, is spark-free, reverse polarity protected and short circuit proof. The MXS 3.8 features a 5 year warranty.

#### TECHNICAL DATA

|                  |   |
|------------------|---|
| CHARGING VOLTAGE | 14.4/14.7 V                             |
| CHARGING CURRENT | Max 3.8 A                               |
| TYPE OF CHARGER  | 7 step, fully automatic charging cycle  |
| TYPE OF BATTERY  | 12 V lead-acid batteries                |
| BATTERY CAPACITY | 1.2-85 Ah, up to 130 Ah for maintenance |
| INSULATION       | IP65 (splash and dust proof)            |



Fully automatic for optimal charging



For all lead-acid batteries

**FULLY CHARGED BATTERY**

Maintenance charging



PROGRAM for charging small batteries



PROGRAM for charging normal batteries



For charging in cold conditions and AGM batteries

**5  
YEAR  
WARRANTY****THE SMARTEST BATTERY CHARGERS IN THE WORLD**

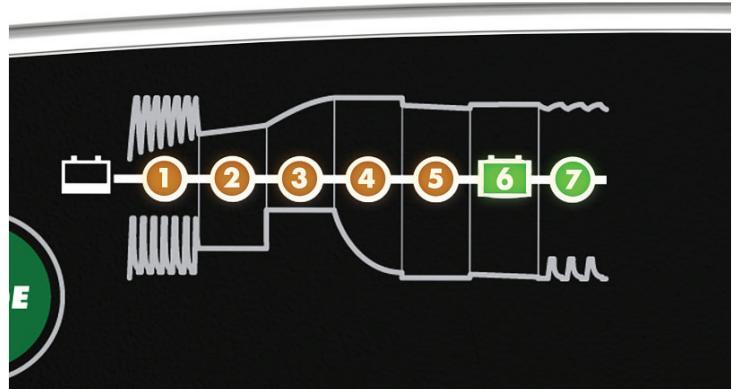


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3.8 A



## UNIQUE 7 STEP CHARGING FROM CTEK



**Complete Battery Care** – unique and patented system to 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 leave the charger to do the rest.

**Unique 7 Step Charging** – the patented 7 step programme tests battery condition and charges and maintains to ensure maximum battery life and performance. SNOWFLAKE ideal for charging on cold winter days. FLOAT/PULSE maintenance ensures ideal battery care during periods of inactivity.

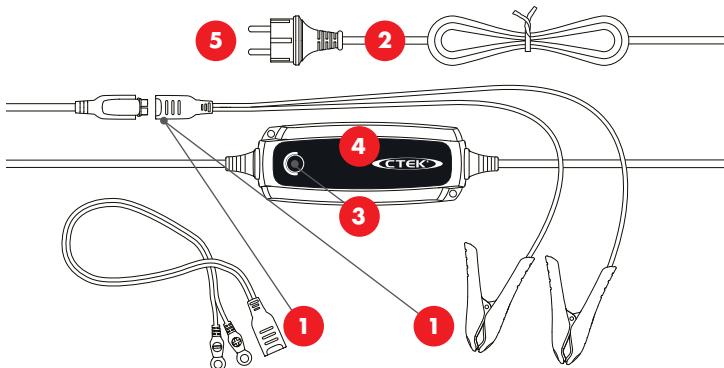
**Extends battery life** – the unique features of CTEK chargers combine to maximise performance and extend battery life.

### CHARGING MODES

1. Connect the charger to the battery.
2. Connect the charger to the wall socket.
3. Press the MODE-button to select charging program.



Press and release the mode button to select the 'SNOWFLAKE' program.



4. Follow the 7 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 6 is lit.
5. Stop charging at any time by disconnecting the mains cable from the wall socket.

### 1 STEP 1 DESULPHATION

Pulsing voltage removes sulphates from the lead plates of the battery restoring the battery capacity.

### 2 STEP 2 SOFT START

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

### 3 STEP 3 BULK

Charging with maximum current until approximately 80 % battery capacity.

### 4 STEP 4 ABSORPTION, BATTERY READY TO USE

Charging with declining current to maximize up to 100 % battery capacity.

### 5 STEP 5 ANALYSE

Tests if the battery can hold charge. Batteries that cannot hold charge may need to be replaced.

### 6 STEP 6 FLOAT, BATTERY FULLY CHARGED

Maintaining the battery voltage at maximum level by providing a constant voltage charge.

### 7 STEP 7 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](mailto:info@ctek.com)

[www.ctek.com](http://www.ctek.com)



THE SMARTEST BATTERY CHARGERS IN THE WORLD



**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](http://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.