



**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)

**5 YEAR WARRANTY**



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



THE SMARTEST BATTERY CHARGERS IN THE WORLD



**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.

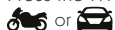
**Connect and Forget** – simple plug and play operation. Select the program and leave the charger to do the rest.

**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.

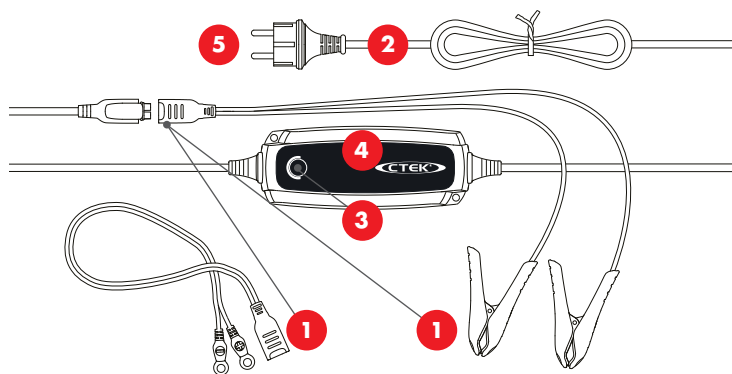
**Extends battery life** – the unique features of CTEK chargers combine to maximise performance and extend battery life.

**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.

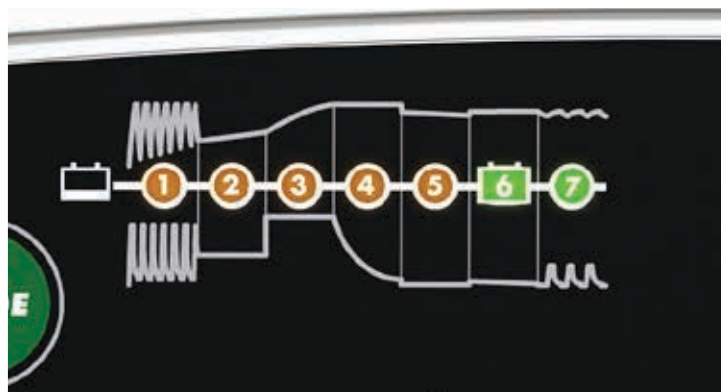


Press and release the mode button to select the 'SNOWFLAKE' program.



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.

**UNIQUE 7 STEP CHARGING FROM CTEK**



- 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)**