



CTEK MXTS 70/50

70/50A

PROFESSIONAL  
**BATTERY  
CARE**



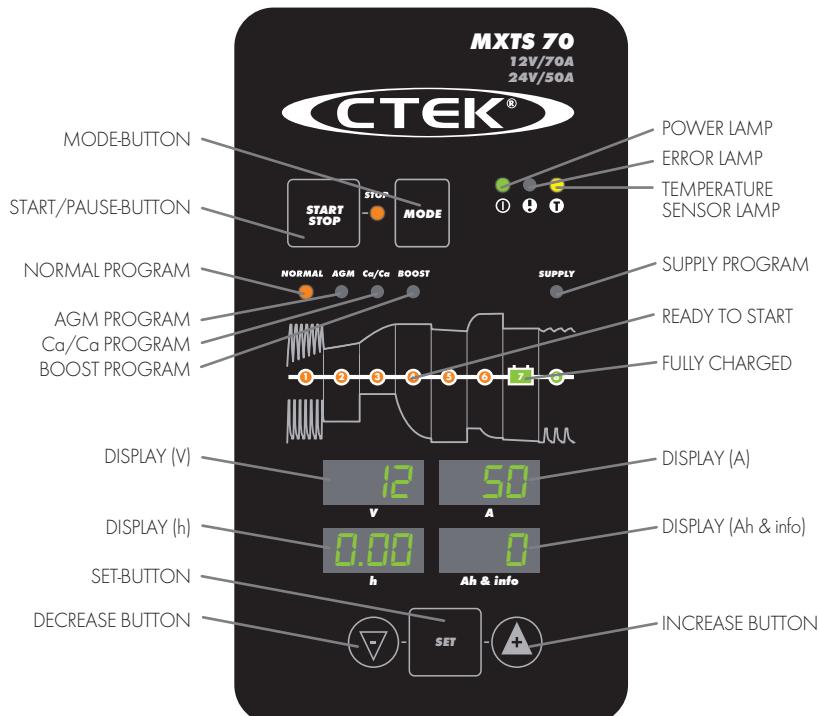
**2**  
**YEAR**  
WARRANTY

## THE ULTIMATE WORKSHOP CHARGER

The MXTS 70/50 is both a high-current power supply for memory flashing and a powerful workshop charger with state of the art technology. It is developed for both 12V and 24V lead acid batteries, offers very sophisticated technology and is extremely user friendly. The MXTS 70/50 features different displays showing the status of charging, charge voltage, current, charge time (h), and energy indication (Ah) for battery condition control. The MXTS 70/50 is equipped with all necessary features and functions required for professional battery care at a workshop, such as:

- Selectable modes for optimal battery size adaptation.
- Selectable power supply program for constant voltage output of 50A at 13.6–14.8V/27.2–29.6V.
- Patented desulphation function.
- Reconditioning function to restore stratified and deeply discharged batteries.
- Unique float/pulse maintenance charging.
- Diagnostic features to determine if a battery can receive and retain a charge.
- Temperature sensor for optimized charging at all times.
- Integrated USB port for parameter upload.

The MXTS 70/50 is a fully automatic 8-step charger that delivers selectable 50A/12V or 50A/24V to batteries from 20–1 500Ah for 12V and 20–1 500Ah for 24V. The charger is IP20 classified, housed in heavy duty aluminum for rough environments and designed to protect vehicle electronics. It is non-sparking, reverse polarity protected, and short-circuit proof. The MXTS 70/50 is delivered with a 2-year warranty.



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- High charge current output
- Selectable nominal charge voltages 12V or 24V
- Several selectable standard 8-step charge algorithms
- The charge algorithm parameters can be changed via an USB communication interface
- Adjustable maximal charge current
- Supply mode with selectable voltages
- Visible charge voltage/current/time and amp hours
- Battery temperature compensation of charge voltage
- Informative error indication display
- Mains switch for power ON/OFF
- Detachable mains and charge cables
- Detachable battery temperature sensor
- External USB serial communication interface
- High power factor (cosfi) resulting in less mains load

## TECHNICAL DATA

CHARGING VOLTAGE	Max 16/32V
CHARGING CURRENT	Max 50, 70A (30 s) in supply 12V
TYPE OF CHARGER	8 step, fully automatic charging cycle with adjustable parameters
TYPE OF BATTERY	All types of 12/24V lead-acid batteries
BATTERY CAPACITY	20Ah - 1500Ah
INSULATION	IP20

## ACCESSORIES \*

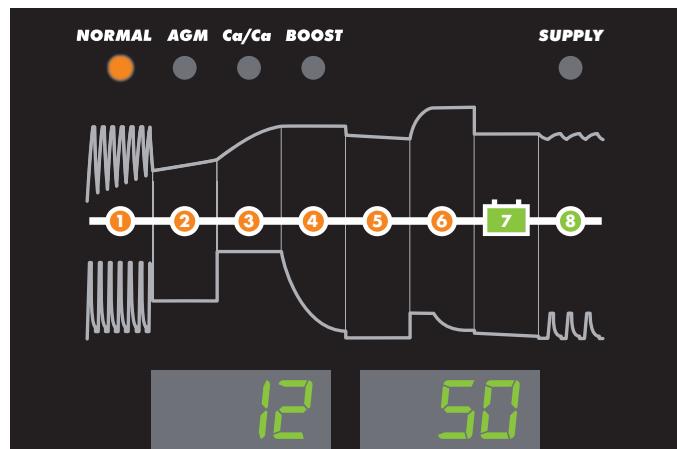
The MXTS 70/50 has a number of accessories for all workshops:

- A Wall Hanger for the CTEK Flexi-shop system, and with an integrated carrying strap
- A Trolley for your laptop and your Auto Diagnostic system

\*NOTE: Laptop, charger and cables not included.



## CTEK's UNIQUE 8 STEP CHARGING



### 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 reaching 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 RECOND

Reconditioning function for deeply discharged batteries.

### 7 STEP 7 FLOAT, BATTERY FULLY CHARGED

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

### 8 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 characterize 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)



THE SMARTEST BATTERY CHARGERS IN THE WORLD

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