



**CTEK MXTS 70/50**

**70/50A**

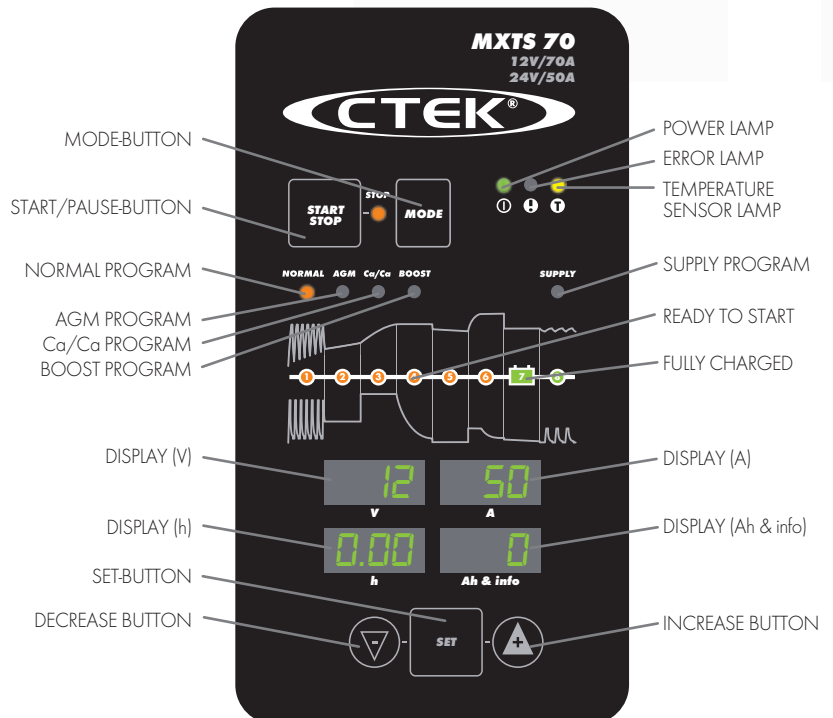


## THE ULTIMATE WORKSHOP CHARGER

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.



THE SMARTEST BATTERY CHARGERS IN THE WORLD



- 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 - 1 500Ah
INSULATION	IP20

**ACCESSORIES \***

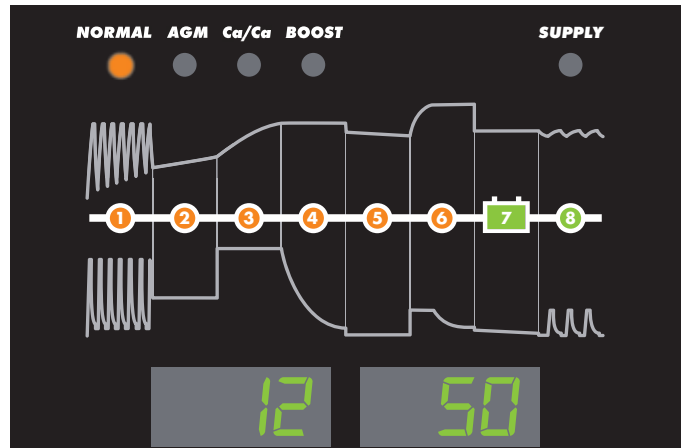
The MXTS 70/50 has a number of accessories for all workshops:

- 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**



- 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 reaching 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 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)**