



**CTEK MXTS 70**

**70/35 A**



# THE ULTIMATE WORKSHOP CHARGER

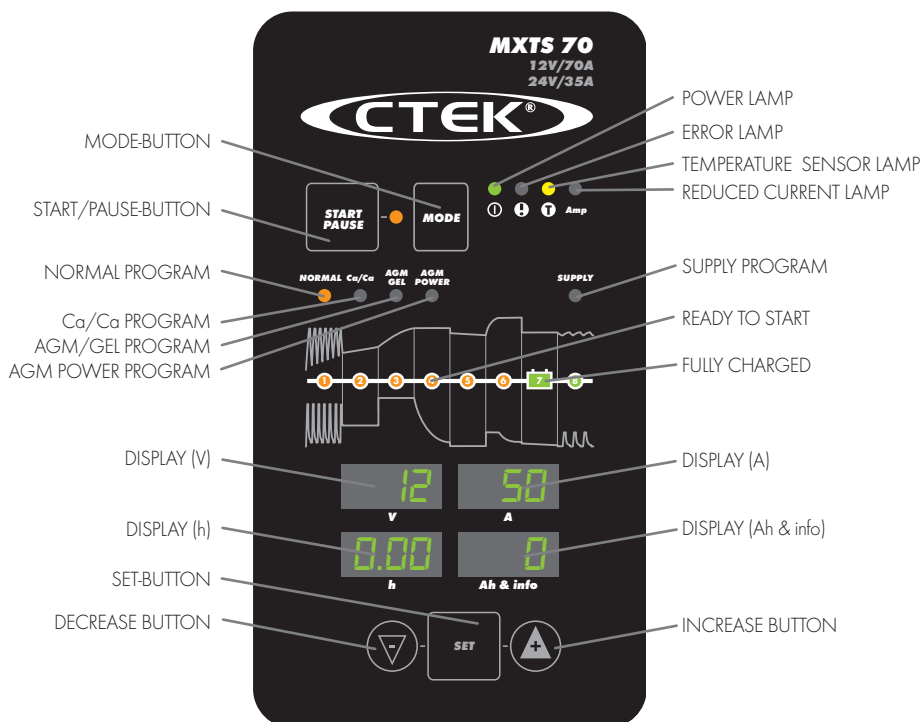
## CTEK MXTS 70

The MXTS 70 is a very powerful workshop charger with state of the art technology. It is developed to serve both 12 V and 24 V batteries, offers very sophisticated technology and is extremely user friendly. The MXTS 70 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 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 13.6 V (max 70 A) or 27.2 V (max 35 A).
- 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 optimised charging at all times.

The MXTS 70 is a fully automatic 8-step charger that delivers selectable 70 A/12 V or 35 A/24 V to batteries from 40-1500 Ah for 12 V and 20-750 Ah for 24 V. The charger is IP20 classified, housed in heavy duty aluminium for rough environments and designed to protect vehicle electronics. It is non-sparking, reverse polarity protected, and short-circuit proof. The MXTS 70 is delivered with a 2-year warranty.



**THE SMARTEST BATTERY CHARGERS IN THE WORLD**

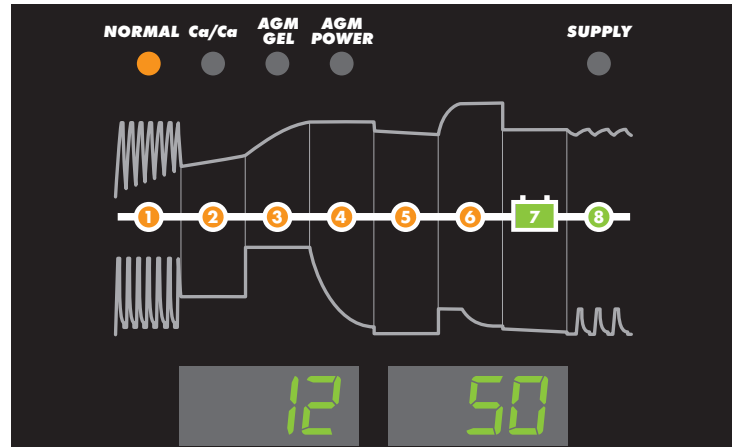


- Selectable battery voltage 12 V or 24 V.
- Selectable maximum charge current for battery size adaption. Currents selectable from 20 A to 50 A in 10 A step for 12 V and 10 A to 25 A in 5 A step for 24 V systems.
- Unique 8 step charge algorithm for perfect battery care.
- Two step maintenance charge to handle parallel DC consumers during charging.
- Selectable power supply mode for constant voltage output of 13.6 V, max 70 A or 27.2 V, max 35 A.
- Local interface with charger status and a large charge voltage and current display.
- Value display for charge time [h] and energy [Ah] indication for battery condition control.
- Housed in heavy duty aluminium housing for rugged professional use.
- Equipped with a patented battery desulphation program.
- Battery analysis after completed charge cycle to report faulty battery.
- Recond program to even out cell charge levels of deeply discharged batteries.
- Optional battery temperature compensation of charge cycle. Just plug the sensor in the charger and activate the temperature compensation.
- Fully protected against short circuit and reverse polarity of charge cables.
- Detachable cables and heavy duty clamps.

#### TECHNICAL DATA

CHARGING VOLTAGE	Max 16/32 V
CHARGING CURRENT	Max 70/35 A
TYPE OF CHARGER	8 step, fully automatic charging cycle with adjustable parameters
TYPE OF BATTERY	All types of 12/24 V lead-acid batteries
BATTERY CAPACITY	12 V: 40–1500 Ah, 24 V: 20–750 Ah
INSULATION	IP20

#### 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, 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, 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)**