

CTEK PROFESSIONAL WORKSHOP CHARGER

SIMPLICITY – SAFETY – FLEXIBILITY



CTEK MULTI XT 14000

CTEK MULTI XT 14000 is a battery charger in a range of fully automatic primary-switched battery chargers with special solutions, developed for 24V batteries. CTEK chargers are perfect for buses, commercial vehicles and service workshops. CTEK stands for safety, reliability and efficiency for vehicles and the auto industry.



• Fully automatic

In contrast to traditional battery chargers, the CTEK MULTI XT 14000 has a fully automatic charging cycle. Thanks to CTEK's patented system for maintenance charging, batteries are kept fully charged at full capacity (float) for 10 days. Subsequently, the charger goes automatically into pulse maintenance mode, the optimum setting for batteries in long-term storage, to ensure maximum lifetime.

• Electronic protection

Most modern vehicles are equipped with very sensitive electronic gear. In contrast to older and less sophisticated chargers, batteries do not have to be disconnected from the vehicle, as the CTEK MULTI XT 14000 is compatible with such modern systems, and is designed to not disturb sensitive electronic equipment.

• Automatic desulphation

Batteries which have been unused for long periods can lose capacity and service life due to sulphation. Sulphated batteries are also more difficult to charge. That's why the CTEK MULTI XT 14000 has a patented method which removes sulphate deposits using rapid pulses, allowing the battery to recover its power and extending service life.

• Reconditioning

CTEK's unique RECOND mode is used for severely discharged batteries, which have usually been damaged by acid caused by complete loss of charge. Using the RECOND mode restores power and service life to discharged batteries by a controlled process to re-mix stratified acid.

• Power without a battery

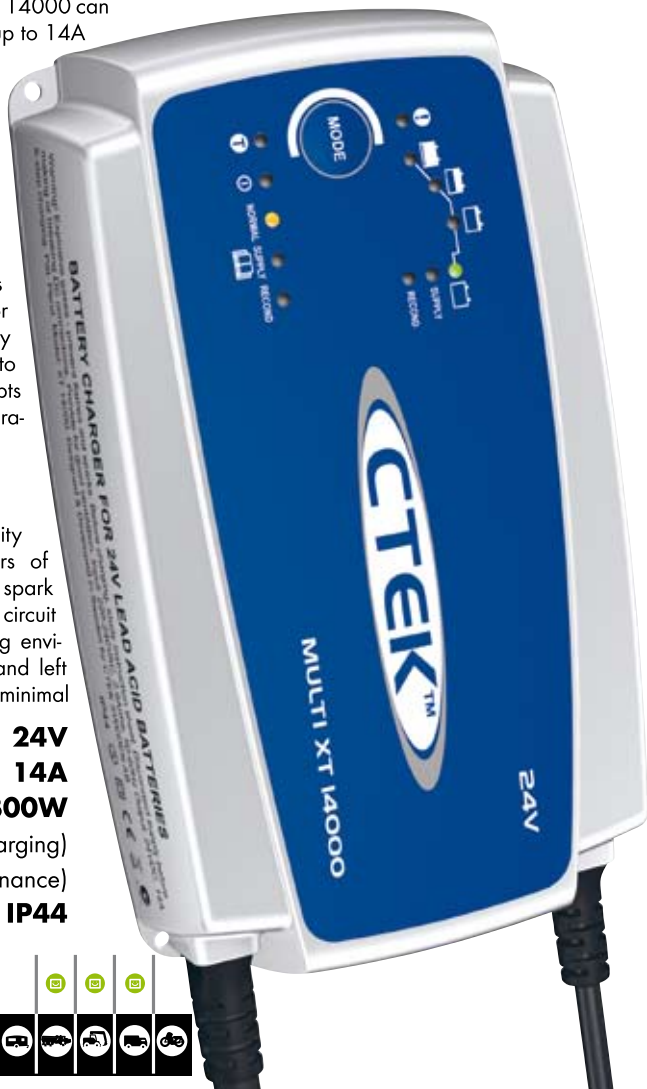
In SUPPLY mode, the CTEK MULTI XT 14000 can provide power for 24V equipment up to 14A without a battery. Ideal for workshops, battery replacement and servicing vehicles, as it prevents loss of program settings which can be difficult to reprogram.

• For tough environments

The CTEK MULTI XT 14000 has IP44 classification – approved for outdoor use. It will recharge equally well at $-20C^{\circ}$ as at $+50C^{\circ}$ thanks to its temperature sensor, which adapts the charge voltage to battery temperature.

• Safety at work

Batteries are charged to start capacity without risk, avoiding the dangers of jump-starting. CTEK chargers are spark free, easy to connect and have short circuit prevention, ensuring a safe working environment. They can be connected and left connected for several months with minimal battery fluid evaporation.



24V

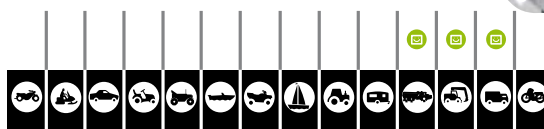
14A

300W

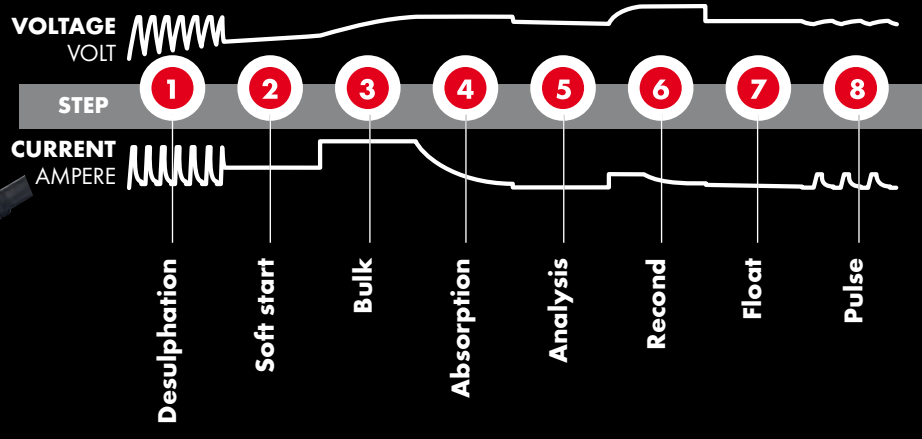
28–300Ah (charging)

28–500Ah (maintenance)

IP44



THE SMARTEST BATTERY CHARGERS IN THE WORLD



Technical data – MXT 14000

Input voltage AC:	170-260V AC, 50-60Hz
Output voltage:	Nominal: 24V
Efficiency:	HIGH (85%)
Charging voltage:	28.8V, temperature compensated
Charging current:	14A max
Back current drain: *	< 2Ah per month
Ripple: **	< 4%
Ambient temperature:	-20°C to +50°C, output power automatically reduced at higher temperatures
Cooling:	Fan
Type of charger:	8-step, fully automatic, switch mode with float/pulse maintenance
Type of batteries:	24V lead acid batteries (Wet, MF, AGM, GEL and Calcium)
Battery capacity:	Charging: 28-300Ah, Maintenance: 28-500Ah
Dimensions (L x W x H):	235 x 130 x 65mm
Encapsulation class:	IP 44 (Outdoor use)

Weight: 1.8kg

*) Back current drain is the drain caused by the charger if not connected to mains electricity.
 **) Ripple denotes the amount of interference to current and voltage. A high current ripple heats the battery, reducing its service life. A linear charger has a current ripple of 70-400%, well over the 5% maximum for a modern sealed battery. Voltage ripple can harm other equipment connected to the battery.
IP 44 cannot be guaranteed unless positioned with top or long side upwards.
MXT 14000 supplies voltage and current with a very low ripple. The battery gains a long service life, and there is no risk of other electronics connected to the battery being damaged.



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