

CTEK PROFESSIONAL LONG-TERM MAINTENANCE

SIMPLICITY – SAFETY – FLEXIBILITY

CTEK MULTI XT 4000

The CTEK MULTI XT 4000 is a battery charger in a series of fully-automatic switch mode battery charges with specially adapted solutions, developed for 24V batteries. The CTEK MULTI XT 4000 is a cost effective and reliable charger adapted for use with items like wheelchairs, piste machinery, school buses and back-up systems. All of CTEK products ensure safety, simplicity and flexibility.



• **Fully-automatic**

In contrast to traditional battery charging, the CTEK MULTI XT 4000 has a fully-automatic charging cycle. Using CTEK's own patented system for maintenance charging, the batteries are charged and held at full capacity (float) for ten days. The charger then automatically switches to pulse maintenance, which is the optimum way of maintaining batteries in the long term and gives the maximum service life. In this way the CTEK MULTI XT 4000 ensures that batteries for back-up systems, for example, are always in working order.

• **Comfort Connect**

Comfort Connect with eyelet terminals for fixed mounting of batteries facilitates the easy movement of the charger whenever necessary. The CTEK MULTI XT 4000 comes with Comfort Connect with is an indispensable accessory for convenient battery charging.

• **For tough environments**

The CTEK MULTI XT 4000 is electronic proof, IP65 classed and thereby approved for outdoor use. It also has a special cold mode which is perfect for charging in really cold conditions. The CTEK MULTI XT 4000 delivers a perfect charge thanks to automatic output power reduction.

• **Electronic proof**

The majority of today's modern vehicles are fitted with extremely sensitive electronic equipment. The greatest advantage of the CTEK MULTI XT 4000 compared to older and less sophisticated chargers is that you never need to disconnect the battery. The CTEK MULTI XT 4000 is compatible with all the modern systems and is designed to not interfere with sensitive electronic equipment.

• **Automatic desulphation**

Batteries that have been left unused for a longer period lose capacity and service life due to sulphation. It is also more difficult charging sulphated batteries. The CTEK MULTI XT 4000 therefore has a patented method which means that the charger "knocks" away the sulphate deposits, wherever possible, using rapid pulses. An even better method for avoiding sulphation is to always maintain your batteries which is what the CTEK MULTI XT 4000 is specially developed for.

• **Work safety**

Your vehicle can be started in a short time without any damage which is always a risk when jump starting. CTEK chargers are non-sparking, reverse polarity protected and short-circuit-proof, which creates a safe working environment. The chargers can be connected and left for several months with minimal fluid loss from the battery. The CTEK MULTI XT 4000 is ideal for maintaining and charging 24V seasonal batteries such as in piste machinery and back-up systems that must never stop working.

• **Reconditions the battery**

CTEK's unique RECOND mode is used for deep cycle batteries which are normally affected by acid stratification as they are frequently discharged. By using the RECOND mode, the battery regains its power and its service life is extended due to the acid being interspersed in a controlled manner.



24V

4A

100W

8–100Ah (charging)

8–250Ah (maintenance)

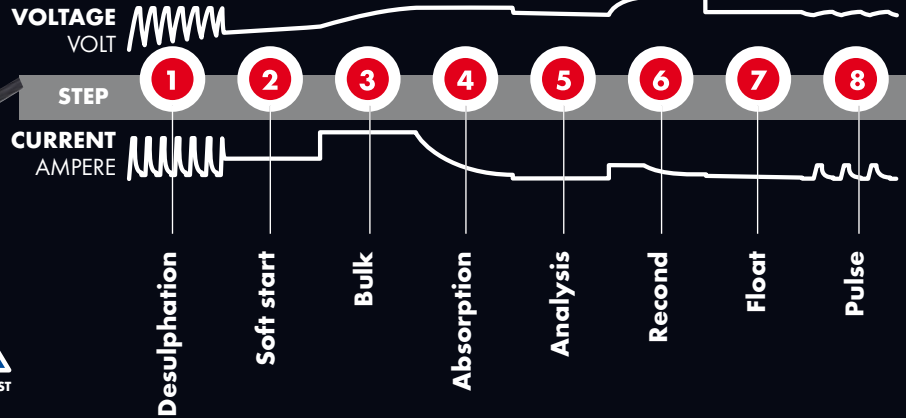
IP65



THE SMARTEST BATTERY CHARGERS IN THE WORLD



MXT 4000
8 steps



Technical data – MXT 4000

Voltage in AC:	170–260V AC, 50–60Hz
Voltage out:	Nominal: 24V
Efficiency:	HIGH 85 %
Charging voltage:	29.4V or 31.4V; 29.4V, 31.4V
Charging current:	4A max
Back current drain: *	< 1mA
Ripple: **	< 5%
Ambient temperature	-20 °C to +50 °C, output power is reduced automatically at higher temperatures
Cooling:	Natural convection
Type of charger:	Eight 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: 8–100Ah Maintenance: 8–250Ah
Dimensions (L x W x H):	191 x 89 x 48mm
Insulation class:	IP 65***
Weight:	0.8kg

*) Back current drain is what drains the battery if the charger is connected without the power cord connected.

**) Ripple describes the quality of the current and voltage. A high current ripple heats the battery and shortens its life. A linear charger has a current ripple of 70 - 400 % which is much larger than the maximum 5 % for a modern sealed battery. High voltage ripple could harm other equipment that is connected to the battery.

The MXT 4000 delivers voltage and current with very low ripple. The battery has a long service life and there is no risk of damage to other electronic devices connected to the battery.



www.ctek.com

THE SMARTEST BATTERY CHARGERS IN THE WORLD