

THE IDEAL MAINTENANCE CHARGER

SIMPLICITY – SAFETY – FLEXIBILITY

CTEK XS 800

CTEK offers a wide range of new technology battery chargers. Unlike old traditional battery chargers CTEK chargers are designed with focus on simplicity, safety and flexibility. CTEK XS 800 is perfectly suited for motorcycles, cars, lawn mowers, jet skis and any other vehicle with batteries maintenance up to 100Ah.



- **Flexible care for battery needs**

All CTEK chargers are developed to take special care of the batteries in the vehicle and at the same time focus on the safety of the person and vehicle. Depending on what the weather conditions are, usage and the type of battery dictates the care that the battery needs. CTEK chargers are developed to handle virtually all lead-acid batteries, weather conditions and the vehicle that the battery is placed in. The importance of battery charging is understood when the statistics show that 70% of all battery returns are due to poorly charged batteries. Save time, money and work by charging the batteries with a CTEK charger.

- **Fully automatic – for charging and maintenance**

There is no need for any specific knowledge of batteries or their charging methods; CTEK XS 800 will take care of that, the charger takes its own readings and then begins to charge the battery. Once it is finished charging, it will automatically switch to its maintenance phase – pulse charging – arguably the most caring mode for a battery connected for a long time (patented system by CTEK). CTEK XS 800 can be connected for months and it is specifically developed for seasonal vehicles.

- **Patented desulphation function**

Unused batteries lose their power and their life is shortened through sulphation. It is also more difficult to charge sulphated batteries. CTEK XS 800 has a patented method for reconditioning sulphated batteries. The charger analyses the state of the battery and then, if possible, recovers the battery and its power.

- **Electronic protection**

Most vehicles today are equipped with sensitive electronic systems. Unlike less-sophisticated chargers, there is no need to disconnect the battery as CTEK XS 800 is specially designed not to damage the electronic systems.

- **Made for all weather conditions and situations**

CTEK XS 800 is prepared to charge and maintain, no matter the weather, temperature or situation. CTEK XS 800 is very light and compact, however, it is extremely robust as well as water and dust resistant (IP65 classification). CTEK XS 800 is certified for use between -20°C and +50°C. In order to make things easier and more convenient, the attached "Comfort Connect" (Eyelet terminals) can be permanently connected to the vehicles battery.

- **Designed for safety**

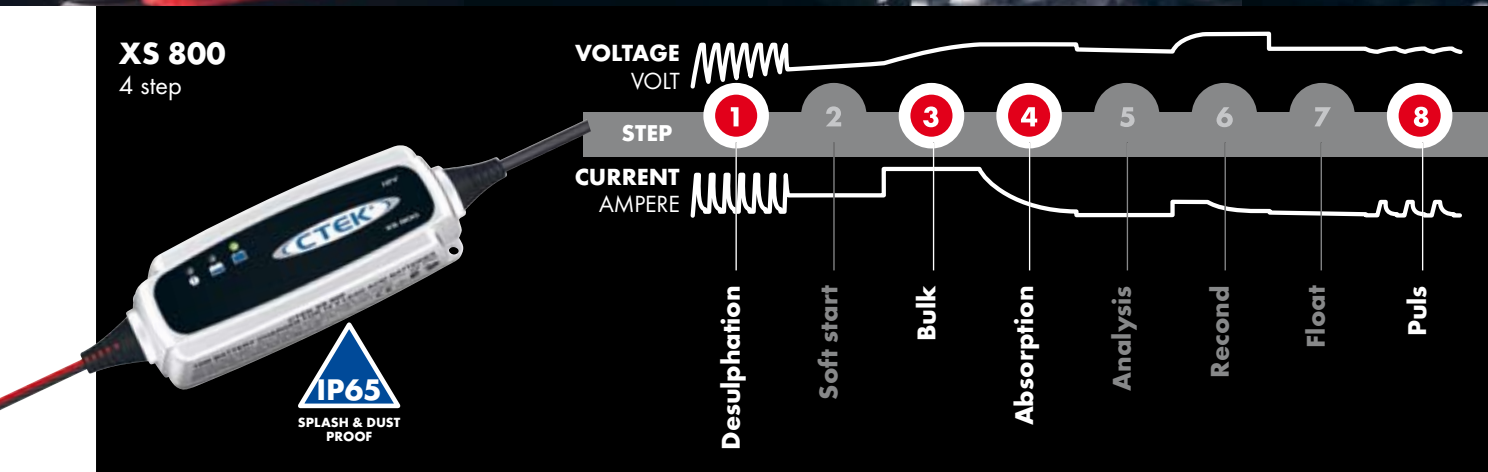
All CTEK models are designed to consider the safety of the user. They are spark free making the connection much easier and safer considering the gases batteries normally produce. CTEK XS 800 is also protected from reverse polarity connections and is short-circuit proof. A red light on the charger will simply indicate that the charging cannot begin until the user has connected the charger correctly.



12V
0.8A
10W
1.2–32Ah (charging)
1.2–100Ah (maintenance)
IP65



THE SMARTEST BATTERY CHARGERS IN THE WORLD



Technical data – XS 800

Input voltage AC	170–260VAC, 50–60Hz
Output voltage	Nominal: 12V
Efficiency	HIGH 85%
Charging voltage	14.4V
Charging current	0.8A max
Back current drain *	<1mAh
Ripple **	~2%
Ambient temperature	-20 °C to +50 °C, output power is reduced automatically at higher temperatures
Cooling	Natural convection
Type of charger	4 step, fully automatic switch mode with pulse maintenance
Type of batteries	12V lead-acid batteries (Wet, MF, AGM and most GEL)
Battery capacity	Charging: 1.2–32Ah, Maintenance: 1.2–100Ah
Dimensions (LxWxH)	142x51x36mm
Insulation class	IP65 (splash and dust proof)
Weight	0.3kg

*) 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. XS 800 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.



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