

# AUTOMATIC CHARGING OF LITHIUM (12V LIFEP0<sub>4</sub>) BATTERIES

The LITHIUM XS is an advanced microprocessor controlled charger and maintainer specially designed for Lithium (12V LiFePO<sub>4</sub>) batteries.

## **SIMPLE LITHIUM CHARGING**

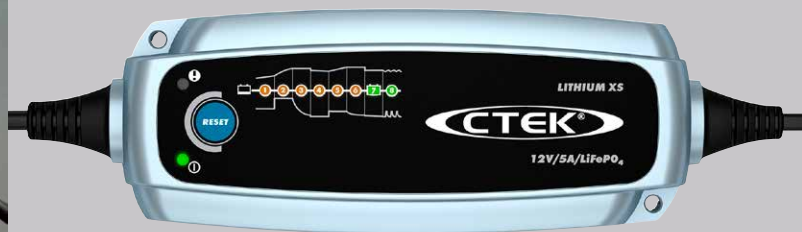
The LITHIUM XS is specially designed for Lithium (12V LiFePO<sub>4</sub>) batteries. With up to 5A of charge current available, it can charge LiFePO<sub>4</sub> batteries from 5Ah to 60Ah and maintain up to 120Ah. It's easy to use - just connect it and charging starts immediately. There's no need to disconnect your battery and any low voltage protection electronics will be reset automatically. The LITHIUM XS is a 'connect and forget' charger with 8 charging steps, a testing sequence that tells you if the battery can take and retain the charge, a unique maximisation step to restore full capacity and patented maintenance charging for maximum performance, even after months of inactivity.

## **PRACTICAL AND SIMPLE TO USE**

The LITHIUM XS charger is a practical and simple to use charger with an easy to understand display. It is non-sparking, reverse polarity protected and short-circuit proof, and comes with a 5 year warranty.

- Easy to use - just connect and forget
- Unique 8 step charging for maximum performance and extended life
- Safe spark free operation
- Exceptionally clean voltage and current delivery with no surges or spikes
- Reverse polarity protection
- Splash proof and dust proof (IP65)
- 5-year warranty

## LITHIUM XS



### TECHNICAL DATA

INPUT	220-240 VAC, 50-60 Hz, 0.65 A
OUTPUT	13.8/14.4 V, 5.0 A
CHARGER TYPE	8 step, fully automatic charging cycle
BATTERY TYPES	12 V: LiFePO <sub>4</sub>
BATTERY CAPACITY	5-120 Ah
BACK CURRENT DRAIN*	Corresponding to less than 1 Ah/month
POWER SOURCE	220 V -> 12 V
BATTERY VOLTAGE	12 V
AMBIENT OPERATING TEMPERATURE	-20 °C to +50 °C
BATTERY CHEMISTRY	Lithium-ion
DEGREE OF PROTECTION	IP65
WARRANTY	5 years

\*) Back current drain is the current that drains the battery if the charger is not connected to the mains. CTEK chargers have a very low back current.

\*\*) The quality of the charging voltage and charging current is very important. A high current ripple heats up the battery which has an aging effect on the positive electrode. High voltage ripple could harm other equipment that is connected to the battery. CTEK battery chargers produce very clean voltage and current with low ripple.

### GUARANTEED QUALITY WITH CTEK

CTEK customer support is available to answer any questions related to charging and CTEK chargers. Safety, simplicity and flexibility characterizes all products and solutions developed and sold by CTEK. CTEK supply chargers to more than 70 countries throughout the world. CTEK is also a reliable OEM supplier to many of the world's most prestigious car and motorcycle manufacturers.

For more information visit [WWW.CTEK.COM](http://WWW.CTEK.COM)

*All products and product specifications are subject to change without notice, to improve reliability, function or design. In the event of product error, we reserve the right to inspect the product and verify the fault. All product returns are subject to our standard warranty terms.*

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