

# REVOLUTIONARY ADAPTIVE BATTERY CHARGER AND MAINTAINER

Charging any battery just got a whole lot simpler with the CTEK CS ONE. Its revolutionary APTO™ (Adaptive Charging) technology does all the thinking for you – you don't even have to worry about which clamp goes where! This is the easiest charger you'll ever use.

Add in dedicated app control, to unlock additional features and you've got the most advanced charger available today.

Super simple. Super smart. Simply CS ONE.

## **SIMPLY CHARGE!**

APTO™ Technology automatically recognises the type of battery you're using, and then automatically delivers a customised charging program, telling you how long until the battery is charged and ready to go.

No buttons to press or modes to select – just connect the CS ONE to any 12V battery and simply charge.

Polarity free clamps mean you don't even need to worry about which clamp goes where, so you'll never make a wrong connection again. The clamps are spark free too, so don't worry if you accidentally touch them together.

Unlock additional features using the Bluetooth® enabled CTEK App. Select 'RECOND' to restore and recondition your battery. Choose 'WAKE UP' for lithium batteries with under voltage protection or to bring deeply discharged lead-acid batteries back to life. Select 'SUPPLY' to turn the CS ONE into a useful 12 V supply. You can also monitor the voltage and amps being delivered by the charger.

- Fully automatic APTO™ (Adaptive Charging) Technology, for every type of 12V lead acid or lithium (12V LiFePO<sub>4</sub>) battery.
- New polarity free clamps that can be safely connected to either charging point.
- Easy to use, easy to operate – no buttons to press or modes to select.
- Clear, bright display shows you how long is left until the battery is charged and ready to go.
- Additional functions (RECOND, WAKE UP, SUPPLY & ADVANCED SETTINGS) available via the CTEK App.
- 5 year warranty.





**TECHNICAL DATA**

INPUT	220-240 VAC, 47-63 Hz, 1.2 A
OUTPUT	12 V, 8.0 A
START VOLTAGE	1.5 V lead-acid battery types. 1.5 V LiFePO <sub>4</sub>
BACK CURRENT DRAIN*	Corresponding to less than 1.5 Ah/month
RIPPLE**	Less than 4 %
AMBIENT OPERATING TEMPERATURE	-30 °C to +50 °C
BATTERY CHEMISTRY	Lead acid, Lithium-ion
BATTERY TYPES	12 V: WET, MF, Ca/Ca, AGM, EFB, GEL, LiFePO <sub>4</sub>
BATTERY CAPACITY	3-180 Ah
DEGREE OF PROTECTION	IP65
WARRANTY	5 years
MAINS CABLE LENGTH (INPUT)	1.4 m
TEMPERATURE COMPENSATION	Built in charge voltage compensation according to ambient temperature.
NET WEIGHT (UNIT WITH CABLES)	0.675 kg
DIMENSIONS (L X W X H)	235 x 88 x 52 mm

\*) 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)

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