

# THE UNIVERSAL CHARGER

**SIMPLICITY – SAFETY – FLEXIBILITY**

## CTEK MULTI US 7002

A NEW GENERATION of CTEK universal charger, the MULTI US 7002 has a unique 8-step charging curve. This new refined technology developed by CTEK ensures that the vehicle's battery gets the best possible care. It even analyzes if the battery can hold the charge given. If it cannot, the battery is faulty and needs to be replaced. The CTEK chargers are developed for safety: personal, vehicle and battery.



### Fully automatic – for charging and maintenance

There is no need for any specific knowledge of batteries or their charging methods; the MULTI US 7002 will take care of that. Once you switched to the preferred mode, the charger takes its own readings and then begins to charge the battery in 8 steps, including pulse maintenance for best performance and service life (arguably the most caring mode for a battery connected for a long time – a CTEK patented system). It is also perfectly suited for Optima Yellow Top batteries. The MULTI US 7002 can also be connected for months, which is ideal 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 sulfated batteries. The MULTI US 7002 has a patented method for reconditioning sulfated batteries. The charger analyzes the state of the battery and, if possible, recovers the battery and its power.

### Made for all weather conditions and situations

The MULTI US 7002 is prepared to charge and maintain, no matter the weather, temperature or situation. The MULTI US 7002 is extremely robust and water and dust resistant (IP65 classification). The MULTI US 7002 is certified for use between -4°F and +122°F. In order to make things easier and more convenient, the Comfort Connect (eyelet terminals) can be permanently connected to the vehicle's battery.

### Compatible with other electronic equipment

Most vehicles today are equipped with sensitive electronic systems. Unlike less-sophisticated chargers, there is no need to disconnect the battery; the MULTI US 7002 is specially designed to not damage electronic systems.

### 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. The MULTI US 7002 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.

### Unique Supply and Recond mode

The Supply mode serves as a power supply unit that can run 12V equipment up to 7A. When changing a battery, important settings will therefore not be lost. The unique Recond mode restores the power capacity in a stratified battery, prolonging its life. The stratifying process starts after just a few deep discharges of the battery.

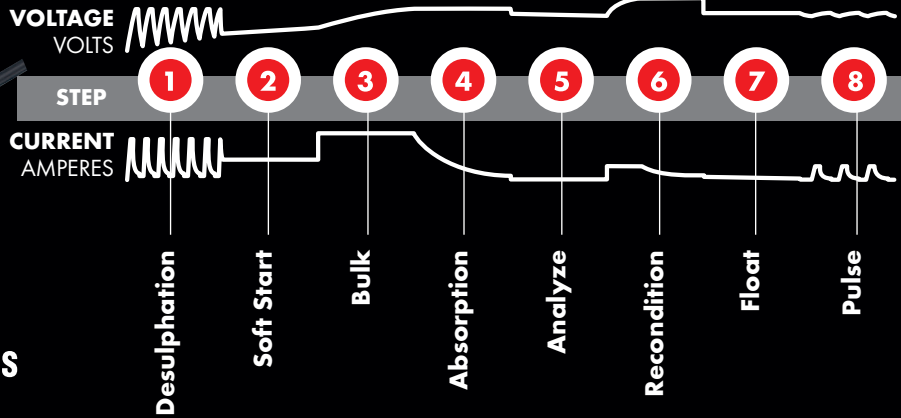
**12V  
7A  
100W  
14–225Ah  
Part no 56-353**



**THE SMARTEST BATTERY CHARGERS IN THE WORLD**



**MULTI US 7002**  
8 step



**Technical data – MULTI US 7002** part no 56-353

<b>Input voltage AC</b>	<b>85–125VAC, 50–60Hz</b>
<b>Output voltage</b>	<b>Nominal:12V</b>
<b>Efficiency</b>	<b>HIGH 85%</b>
<b>Charging voltage</b>	<b>14.4V/14.7V</b>
<b>Charging current</b>	<b>7A max</b>
<b>Back current drain*</b>	<b>&lt;1Ah per month</b>
<b>Ripple**</b>	<b>4%</b>
<b>Ambient temperature</b>	<b>-4° F to +122° F, output power is reduced automatically at higher temperatures</b>
<b>Type of charger</b>	<b>8 step, fully automatic switch mode with pulse maintenance</b>
<b>Type of batteries</b>	<b>12V lead-acid batteries (Wet, MF, AGM, GEL and Ca)</b>
<b>Battery capacity</b>	<b>14–225Ah</b>
<b>Dimensions (L x W x H)</b>	<b>8½ x 3½ x 1 inches</b>
<b>Insulation</b>	<b>IP65 (splash and dust proof)</b>
<b>Certifications</b>	<b>UL</b>
<b>Weight</b>	<b>1.7lbs</b>
<b>Warranty</b>	<b>5 years</b>

\*) 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. MULTI US 7002 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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