

# THE CHARGER WITH MAXIMUM POWER

**SIMPLICITY – SAFETY – FLEXIBILITY**

## CTEK MULTI US 25000

CTEK MULTI US 25000 is an 8-step, fully automatic primary switch mode battery charger. A powerful charger for 12V batteries that require rapid charging such as in garages, RV's, boats and of course cars. Unlike old traditional battery chargers CTEK chargers are designed with focus on simplicity, safety and flexibility.



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

In addition to normal charging of batteries, they also have a fully automatic charging cycle through CTEK's in-house patented system for maintenance charging. The batteries are kept at full capacity (float) over the first 10 days period. The chargers then switch to pulse maintenance, which is the optimal way of storing the batteries in the long-term and providing them with maximum service life.

- **Patented desulfation function**

Unused batteries lose their power and their life is shortened through sulphation. It is also more difficult to charge sulfated batteries. CTEK MULTI US 25000 has a patented method for reconditioning sulfated batteries. The charger analyses the state of the battery and then, if possible, recovers the battery and its power.

- **Weather independent**

The chargers are fitted with temperature sensors adapting the charging voltage to suit the battery temperature and handle effective charging no matter the climate, from 0°F to 120°F. They are very robust and have an IP44 classification, approved for outdoor use.

- **Electronic protection**

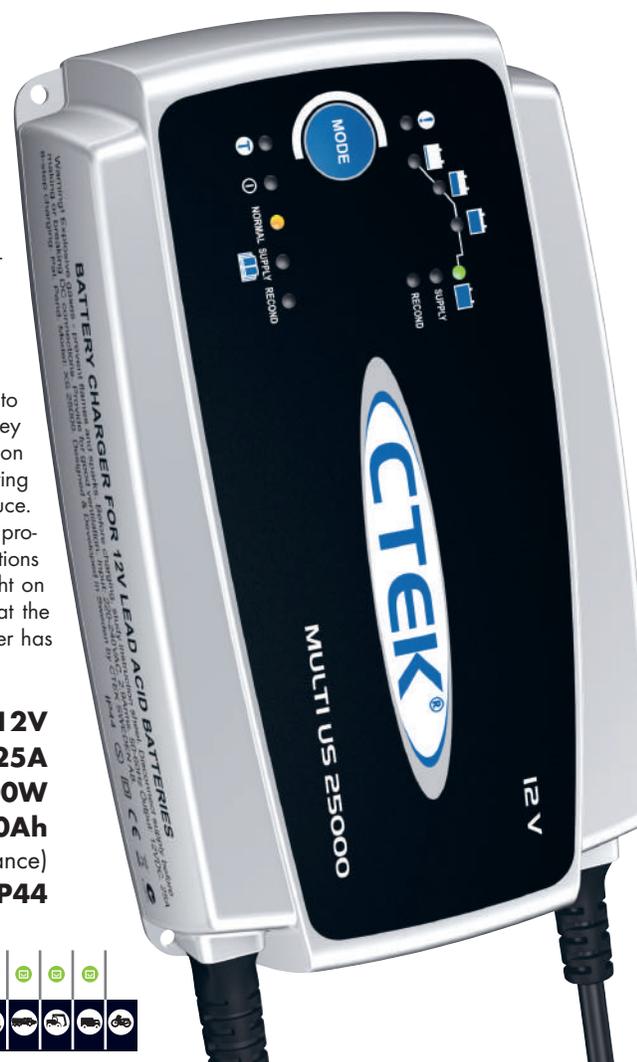
Most vehicles today are equipped with sensitive electronic systems. Unlike less-sophisticated chargers, there is no need to disconnect the battery as CTEK MULTI US 25000 is specially designed not damage the electronic systems.

- **Unique SUPPLY and RECOND mode**

The SUPPLY mode serves as a power supply unit which can run 12V equipment up to 25A. When changing a battery important settings will therefore not be lost. The unique RECOND mode restores the power capacity in a stratified battery and therefore prolongs its life.

- **Designed for safety**

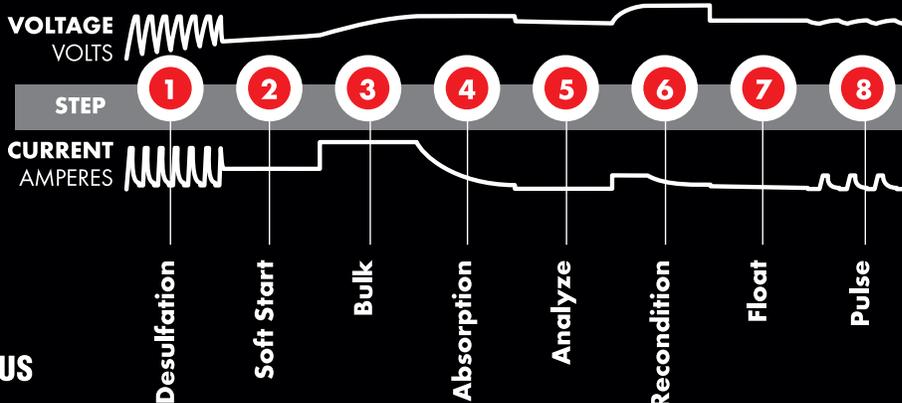
All CTEK models are designed to consider the safety of the user. They are spark free making the connection much easier and safer considering the gases batteries normally produce. CTEK MULTI US 25000 is also protected from reverse polarity connections and is short-circuit proof. A red light on the charger will simply indicate that the charging cannot begin until the user has connected the charger correctly.



**12V**  
**25A**  
**300W**  
**50-500Ah**  
(charging and maintenance)  
**IP44**



**THE SMARTEST BATTERY CHARGERS IN THE WORLD**



### Technical data – MULTI US 25000 part no 56-674

<b>Input voltage AC</b>	<b>100–120VAC, 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, temperature compensated</b>
<b>Charging current</b>	<b>25A max</b>
<b>Back current drain *</b>	<b>&lt;2Ah per month</b>
<b>Ripple **</b>	<b>4%</b>
<b>Ambient temperature</b>	<b>0° F to 120° 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>50–500Ah</b>
<b>Dimensions (L x W x H)</b>	<b>9¼ x 5¼ x 2½ inches</b>
<b>Insulation</b>	<b>IP44 (outdoor use)</b>
<b>Certifications</b>	<b>UL</b>
<b>Weight</b>	<b>3.2lbs</b>
<b>Warranty</b>	<b>2 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 25000 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.