

# Troubleshooting Guide

## for CTEK US 800 (pt# 56-213)

### **No LED is lit when the charger is connected only to the battery**

Explanation: The plug has to be connected for the LED to be lit.

### **No LED is lit when the charger is connected only to the power outlet**

Explanation: The charger has to be connected to battery for the LED's to light up.

### **No LED is lit when the charger is connected to both the power outlet and the battery**

Explanation: The battery voltage could be under 6V.

Test: Test against another battery that is fresh. If nothing happens, even though the voltage is above 6V, the charger could be faulty.

### **The charger does not switch from into maintenance charging**

Explanation 1: Larger loads are connected to the battery at the same time.

Test: Disconnect the loads from the battery and try to charge again.

Explanation 2: Defective battery

Test: If possible, measure the voltage on the battery when the charging should be finished. If the voltage is under 7V the battery is most likely faulty.

Test: Try the charger on another fresh battery.

### **and is lit (flashing rapidly) simultaneously and there is a ticking sound**

Explanation 1: Bad connection

Test: Move the clamps and make sure there is no loose connection in the quick connector, Comfort Connect.

Explanation 2: The charger is working in the desulphation phase

Test: Leave the charger to charge for 24h (with some supervision). If the charger does not start charging (one of the LED's are lit) within 24h the battery is in a very poor condition.

### **switches to after the charge has been stopped**

Explanation: When the charger restarts the battery voltage is monitored. If the battery voltage is above 12,9V the charging will not commence. When the battery is between 12,9V and 14,4V it is considered as fully charged. The charging will automatically start again when the battery voltage drops below 12,9V.

### **The error LED is lit**

Explanation: Reverse polarity

Test: Make sure that the + cable/clamp is connected to the + terminal and the - cable/clamp is connected to the - terminal.