

# Troubleshooting Guide

## for CTEK MULTI US 3300 (pt# 56-158)

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

Explanation: The charger requires voltage from the battery for the Standby LED to be lit.

Test: Connect the charger to a fresh battery. If the battery charger is still not lit, it may be faulty.

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

Explanation: One of the LED's at the lower row should light up when the charger is connected to the power outlet.

Test: Make sure that there is power from the power outlet. If the charger is still not lit the charger may be faulty.

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

Explanation: The battery voltage could be under 2.2V.

Test: Test against another battery that is fresh. If nothing happens, even though the voltage is above 2.2V, could the charger 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 completed. If the voltage is under 14,1V the battery is most likely faulty.

Test: Try the charger on another fresh battery.

### **and is lit (flashing rapidly) simultaneously**

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 voltage is above 12,9V the charging will not commence. When the battery is between 12,9V and 14,4V it is seen as fully charged. The charging will automatically start again when the battery voltage drops below 12,9V.

### **The charger goes into Standby mode after the power is cut and the charging does not start again**

Explanation: The charger will turn into Standby if the voltage in the battery is below 6V when the power is back on

Test: Start the charging again by pressing on the mode button.

### **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.



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