

Troubleshooting Guide

for CTEK MULTI US 7002 (pt# 56-353)

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

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

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 can be faulty.

No LED's are lit on the top row when the charger is connected to both the power outlet and the battery

The LED's on the lowest row are lit and you can change charging mode. None of the LED's the top row on is indicating charging status. Explanation: The battery voltage could be under 1,5V.

Test: Try to charge the battery in Supply mode for approximately 5 min. Then try regular charging.

Test: Test the charger on a fresh battery. If nothing happens the charger may be faulty.

LED 1 is lit for 4 hours and then turns into error mode !

If the battery voltage is not above 12,5V after 4h the charger will turn into error mode, because the voltage has not increased in the way it should have done. Explanation 1: The battery is too large in relation to the capacity of the charger.

Test: Make sure that the battery/batteries size is not larger than the recommendations for Multi XS 7000 (150Ah).

Test: Try to restart the charger because the charger might need more time to charge the battery.

Explanation 2: Larger loads are connected to the battery

Test: Disconnect the battery and try to charge it without the loads.

Test: Try to restart the charger because the charger might need more time to charge the battery.

Explanation 3: If the battery is warm and/or is boiling heavily during the charging, it is most likely due to a defective cell in the battery.

Test: Change the battery

LED 2 is flashing for 4 hours, then turns into error mode !

Explanation: The battery is probably too sulphated to revive. The battery is faulty and it is time to change it.

LED 3 is lit and then turns into error mode !

The analysis phase is testing if the battery can retain the charge given. Explanation 1: Large loads are connected to the battery and are draining the voltage

Test: Disconnect the battery and try charging again.

Explanation 2: The battery cannot retain the charge given.

Test: The battery needs replacing.

The error LED ! is lit

Explanation 1: Reverse polarity

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

Explanation 2: The clamps are short circuited

Explanation 3: For chargers of the older type the error mode is flashing when only the plug is connected.



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