

BASIC TROUBLESHOOTING

Battery charger turns on, but does not supply any current. Audible alarm?

Verify the LED charging phase. If the yellow/green LED is on, the charger is in “ALARM SELECTION” state. Please adjust the suitable battery selection, as indicated in the Zivan manual.

Battery charger does not start, even if correctly connected to the battery. Green charging phase LED is on?

Verify the charger is equipped with the Start Stop Software option. If yes, make sure that the battery voltage value corresponds to the charger features (i.e. Battery 80V nominal V/el > 1,7V, 40 elements x 1,7V/el = 68V). Check the battery voltage on +/- poles and near the power battery cable clamps. Both values must be same. Any difference can mean a false contact. This test should be done when the charger is switched off and then repeated with the charger switched on. If the values are correct, verify the output fuse integrity using a digital tester. Select the diodes function and check (when the battery is disconnected) the diode's presence between the power cables, in order to exclude any open circuit. If the failure persists please contact your local Zivan's Assistance Service.

Charger does not start, even if correctly connected to the battery. Red flash charging state LED is on?

First verify the charger is equipped with the Start Stop Software option. If not, make sure that the battery voltage value corresponds to the charger features (i.e. Battery 80V, charger 48V). When matching, please check the battery voltage on +/- poles and near the power battery cable clamps. Both values must be same. Any difference can mean a false contact. This test should be done with the charger switched off and then repeated with the charger on. If values are correct, verify the output fuse integrity using a digital tester. Select the diodes function and check (when battery is disconnected) the diode's presence between the power cables, in order to exclude any open circuit. If failure persists please contact Zivan's Assistance Service.

Charger does not start and yellow charging state LED is on. No audible alarm?

Verify the charger is equipped with the Start Stop Hardware option. If yes, the relevant contact must be short-circuited, as indicated in the Zivan manual.

Charger does not start. Yellow charging state and line alarm LEDs are on, with no audible alarm?

This is only relevant for the three-phase models. Verify the connection to 380V power line. The charger works only with 3 phases. Never connect the neutral.

Single phase charger (NG1 or NG3) does not turn on?

Verify the power line and check at any network switch.

UBC or BC1 charger does not turn on?

First check the input power line and at any network switch. Then verify the battery voltage. If the battery voltage is $< 1,6V/el$ (i.e. battery 24V comprises 12 elements, minimal voltage is $1,6V \times 12 = 19,2V$) charger does not turn on. Please use an NG single phase charger model until the battery voltage goes over to the minimal value detected, usually $1,7V/el$.

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