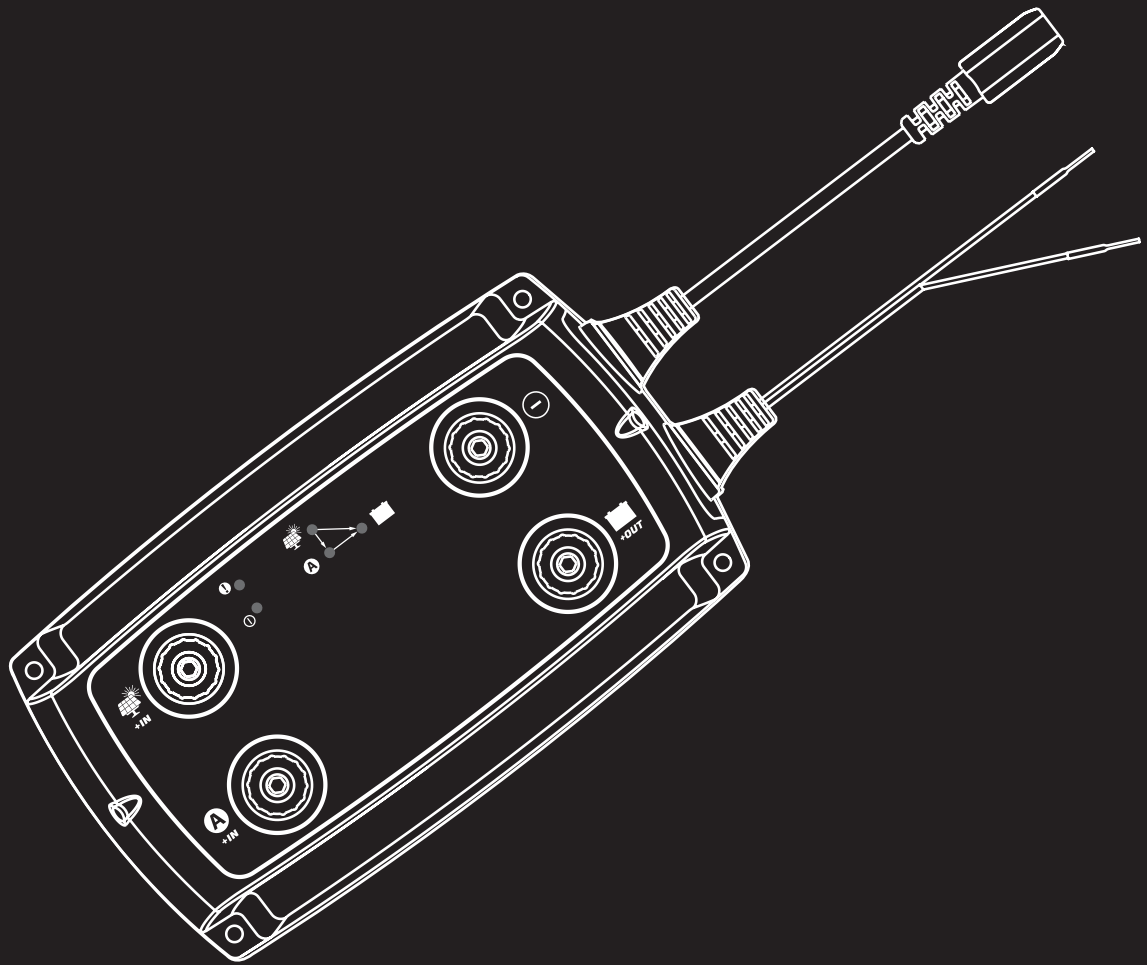


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FAQ

D250



The charger does not stop charging the target battery even though the alternator or charger on the supply battery has been turned off.

When charging of the supply battery is turned off the voltage will drop. The output power of the charger is dependent on the input voltage. With lower input voltage the output power is lower. Due to this it may take some time until the charger stops. It will however not drain the supply battery; the charger will turn off when the voltage has dropped below 12.8V. If there is power on the solar panel, this will be used to charge the target battery.

The charger does not start charging.

In order to start charging the supply voltage needs to be above 13.1V on the supply battery input or above 11.5V on the solar input. The voltage on the target battery also needs to be above 5V. The solar voltage also needs to be higher than the alternator input voltage. Test: Test Use a voltmeter to verify that the voltages are within the levels specified above.

Power LED is not lit.

The target battery voltage must be above 9V.

The Power LED is flashing rapidly or glowing faint.

The charger has entered power save mode due to low voltage. There is no charger or alternator turned on for the supply battery.

DC/DC - How do I connect?

[For support please contact support@smartercharger.com](mailto:support@smartercharger.com)

Why is the error lamp flashing? (!)

Please refer to the manual for explanation of light sequence.

Why is the POWER- led lamp glowing faintly?

The charger has gone into power save mode due to low voltage from the starter battery.

Why is the POWER- led lamp flashing rapidly?

The charger has gone into power save mode due to low voltage from the starter battery.

Why is the POWER- led lamp not lit?

There can be various reasons.

Make sure the system is properly connected and the ground terminal firmly tightened.

Check that the voltage on the service battery is higher than 9 V (the POWER- led lamp lights up when 9V)

Which is the recommended size for solar panels?

The recommended size of panel is 50-300W.

Do I need an external regulator for the solar panel?

No

Do I need an external battery watch?

No

Can I charge a lithium battery using my D250SA/SE?

D250SA – No, the D250SA is compatible with 12V lead-acid and 12V AGM service batteries only.

D250SE – yes. The D250SE is compatible with 12V lead-acid, AGM and lithium service batteries. Configure the “battery select” cable accordingly.

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