

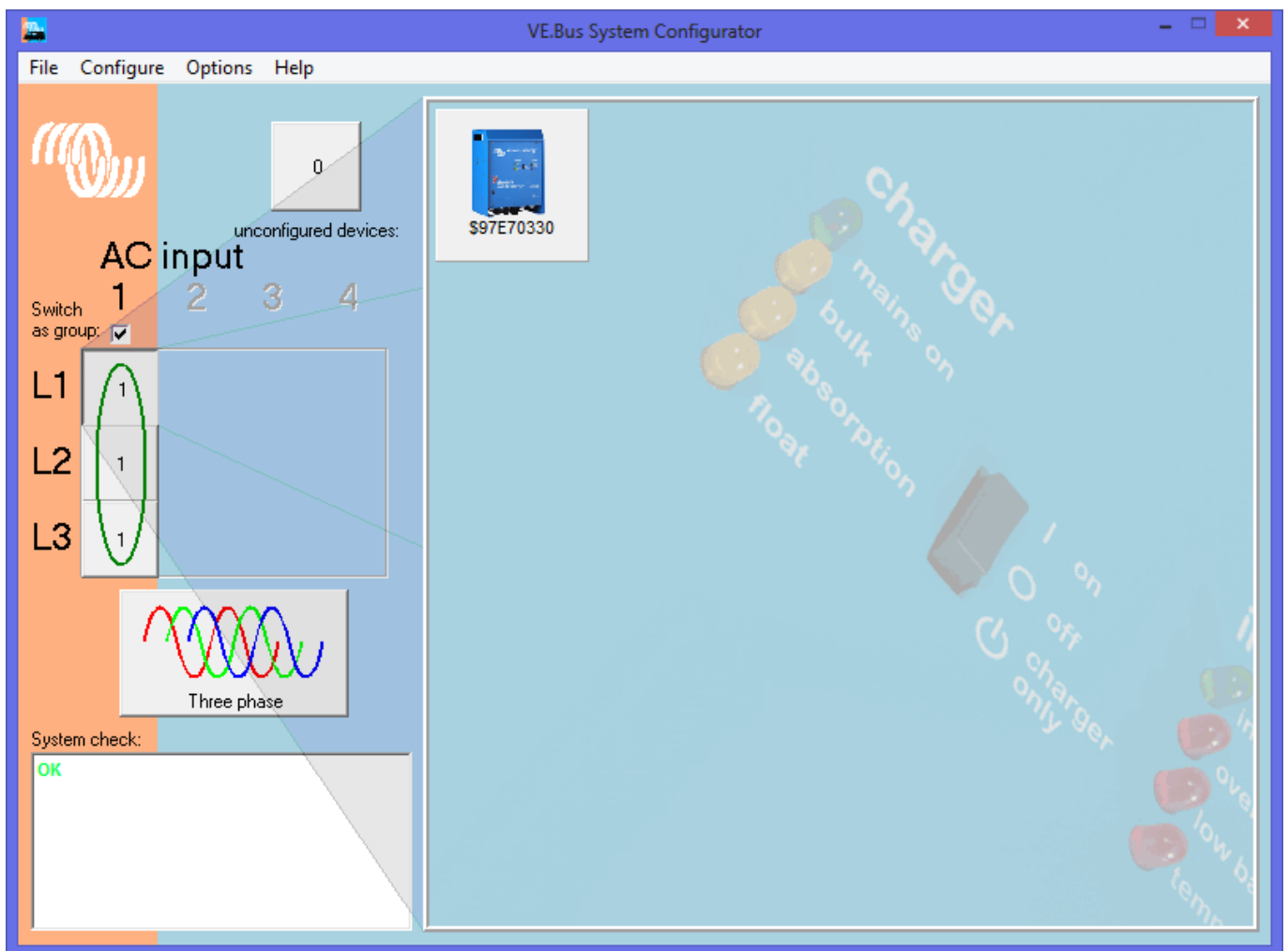
PV Inverter Support Assistant in a three phase installation

Notes

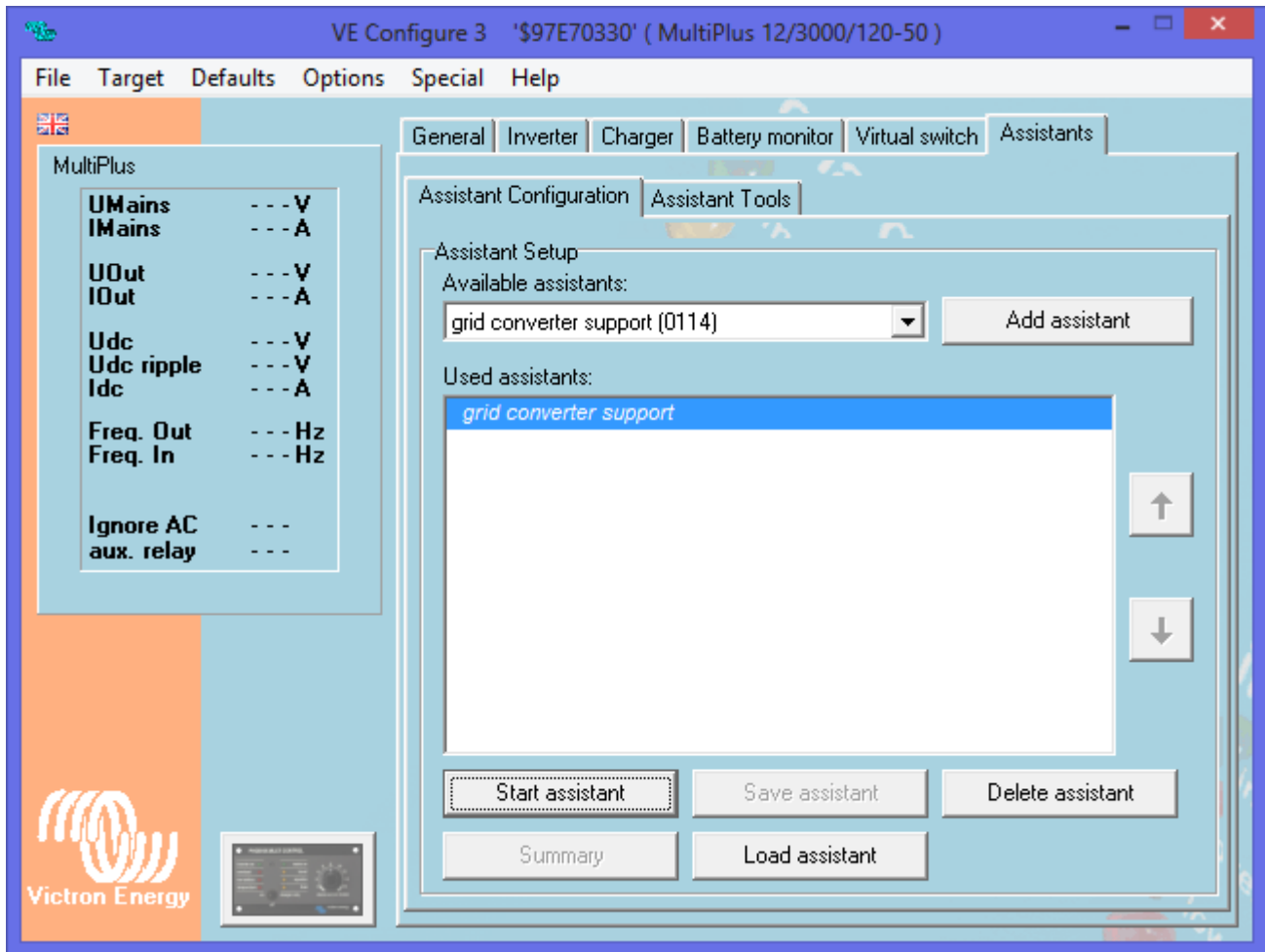
- This page shows VE.Bus System Configurator. Note that it is also possible to use VE,Bus Quick Configure.

Step by step instructions

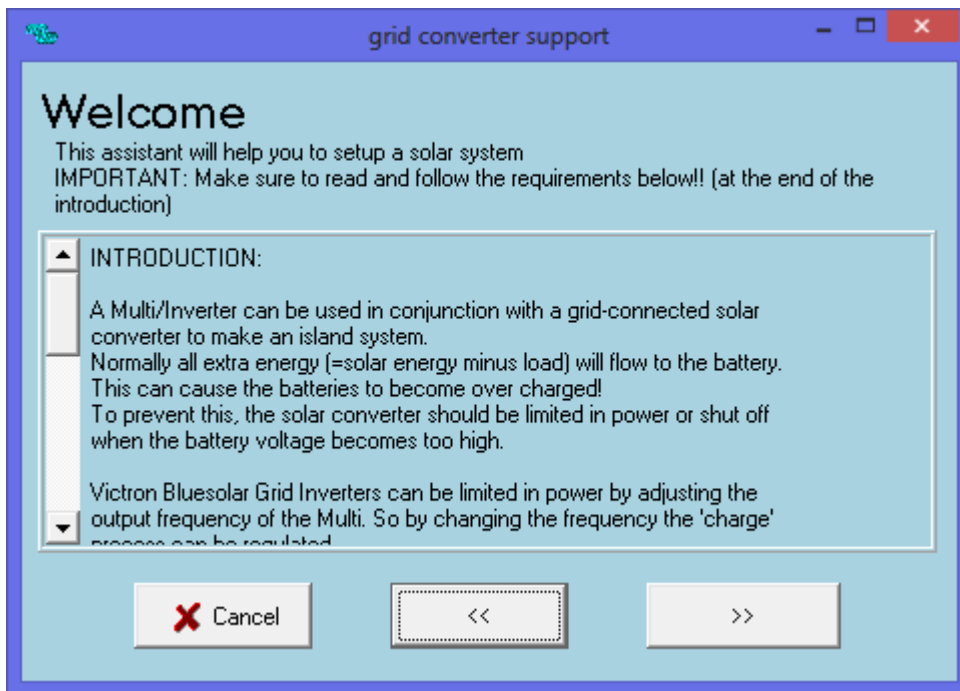
Select Phase 1 and right click on the Multi icon to access VE Configure:



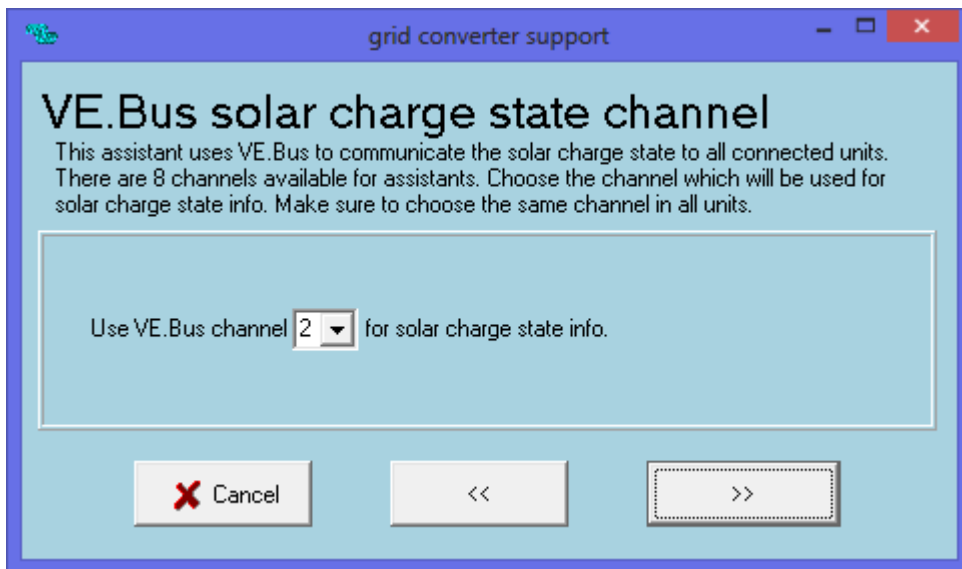
The screenshot shows the 'VE Configure 3' software interface for a 'MultiPlus 12/3000/120-50' device. The window title is 'VE Configure 3 '\$97E70330' (MultiPlus 12/3000/120-50)'. The interface includes a menu bar (File, Target, Defaults, Options, Special, Help) and a toolbar with tabs for General, Inverter, Charger, Battery monitor, Virtual switch, and Assistants. The 'Assistants' tab is active, showing an 'Assistant Configuration' window. On the left, a 'MultiPlus' panel lists various parameters: UMains (---V), IMains (---A), UOut (---V), IOut (---A), Udc (---V), Udc ripple (---V), Idc (---A), Freq. Out (---Hz), Freq. In (---Hz), Ignore AC (---), and aux. relay (---). The 'Assistant Setup' section in the main window has 'Assistant Configuration' and 'Assistant Tools' tabs. Under 'Assistant Setup', there is an 'Available assistants:' section with a dropdown menu showing 'grid converter support (0114)' and an 'Add assistant' button. Below this is a 'Used assistants:' section with an empty list and up/down arrow buttons. At the bottom of the window are buttons for 'Start assistant', 'Save assistant', 'Delete assistant', 'Summary', and 'Load assistant'. The Victron Energy logo is visible in the bottom left corner.



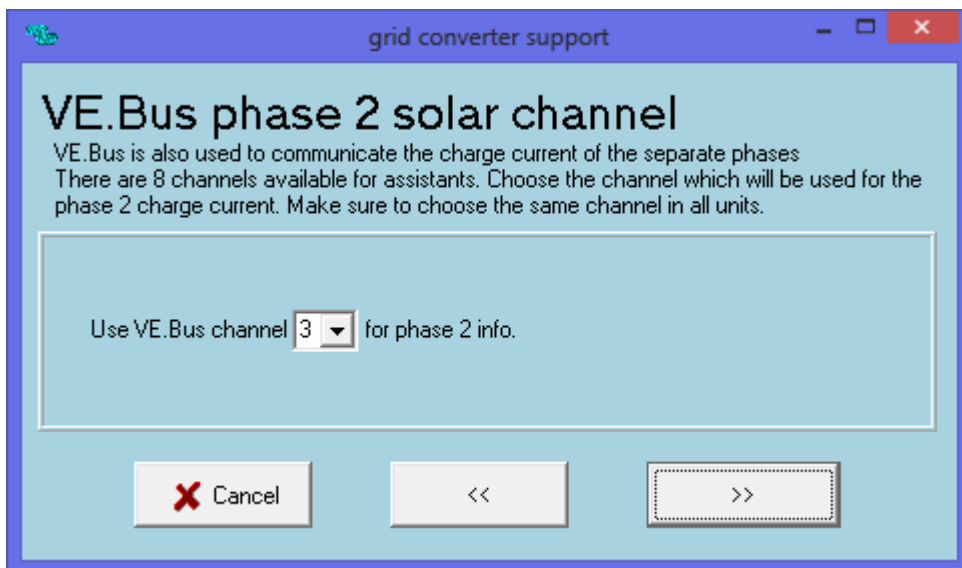
Start the assistant, read the welcome page carefully!



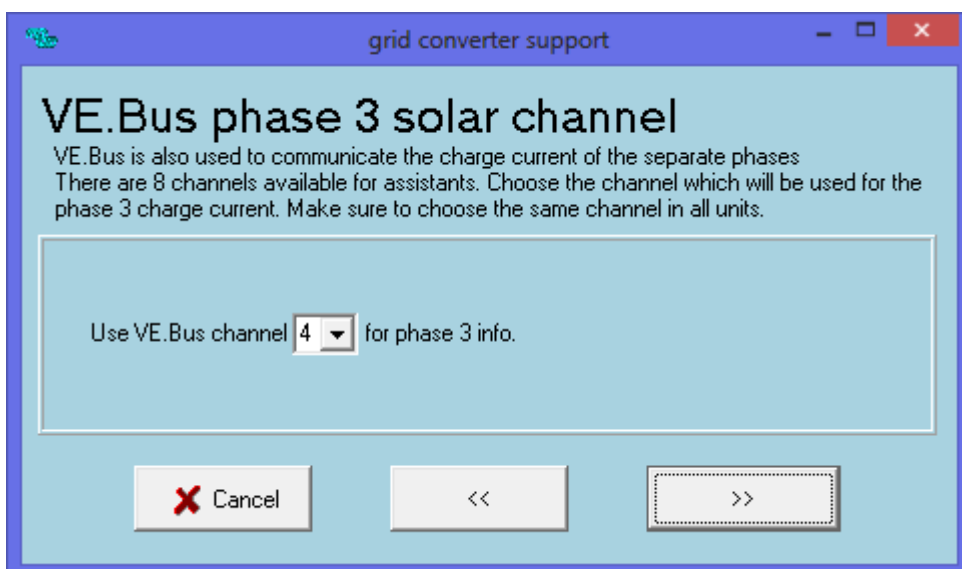
The Solar Charge Channel must stay at channel 2.



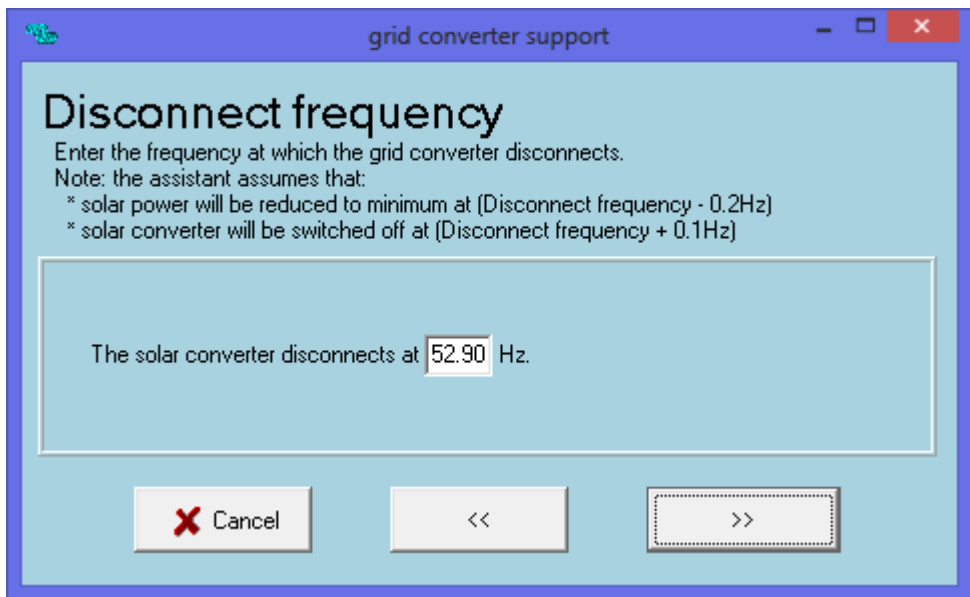
Phase 2 Solar Channel stays at 3



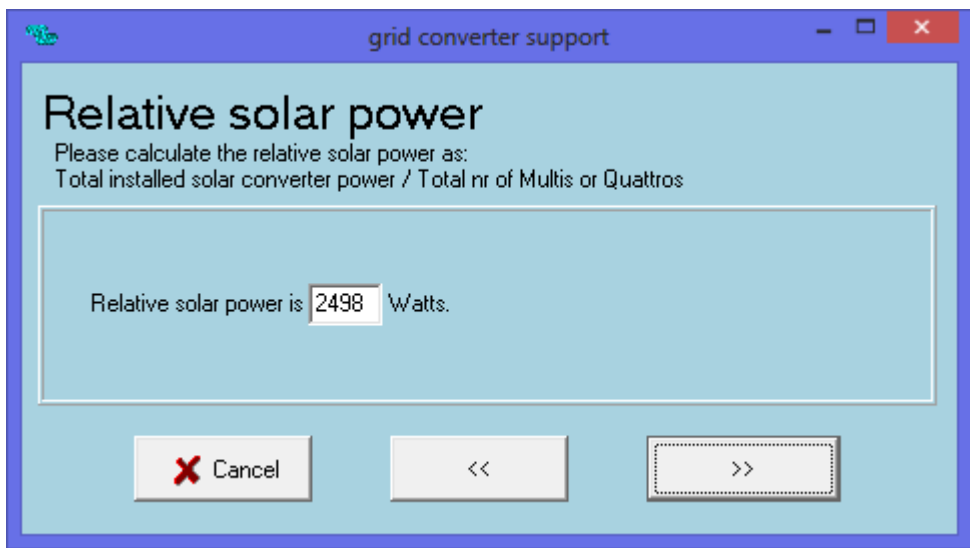
Phase 3 Solar Channel stays at 4



The Settings inside the Grid Inverter for Frequency control must be known, in smaller systems the start setting can be from 50.2 to 50.8 more or less and in bigger systems it can start at 51Hz. The Inverter/charger will only shift its frequency to just below the shutdown point to ensure the Grid Inverter stays on but stops producing power. In Smaller systems the shutdown point can be around 52hz and then again for bigger systems around 53Hz, these levels are only indications.



This value is the total installed PV Power divided by the number of Inverter/chargers.



~~DISQUS~~

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<https://www.victronenergy.com/live/> - **Victron Energy**

Permanent link:
https://www.victronenergy.com/live/assistants:three_phase_pv_inverter_assistant?rev=1481487290

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