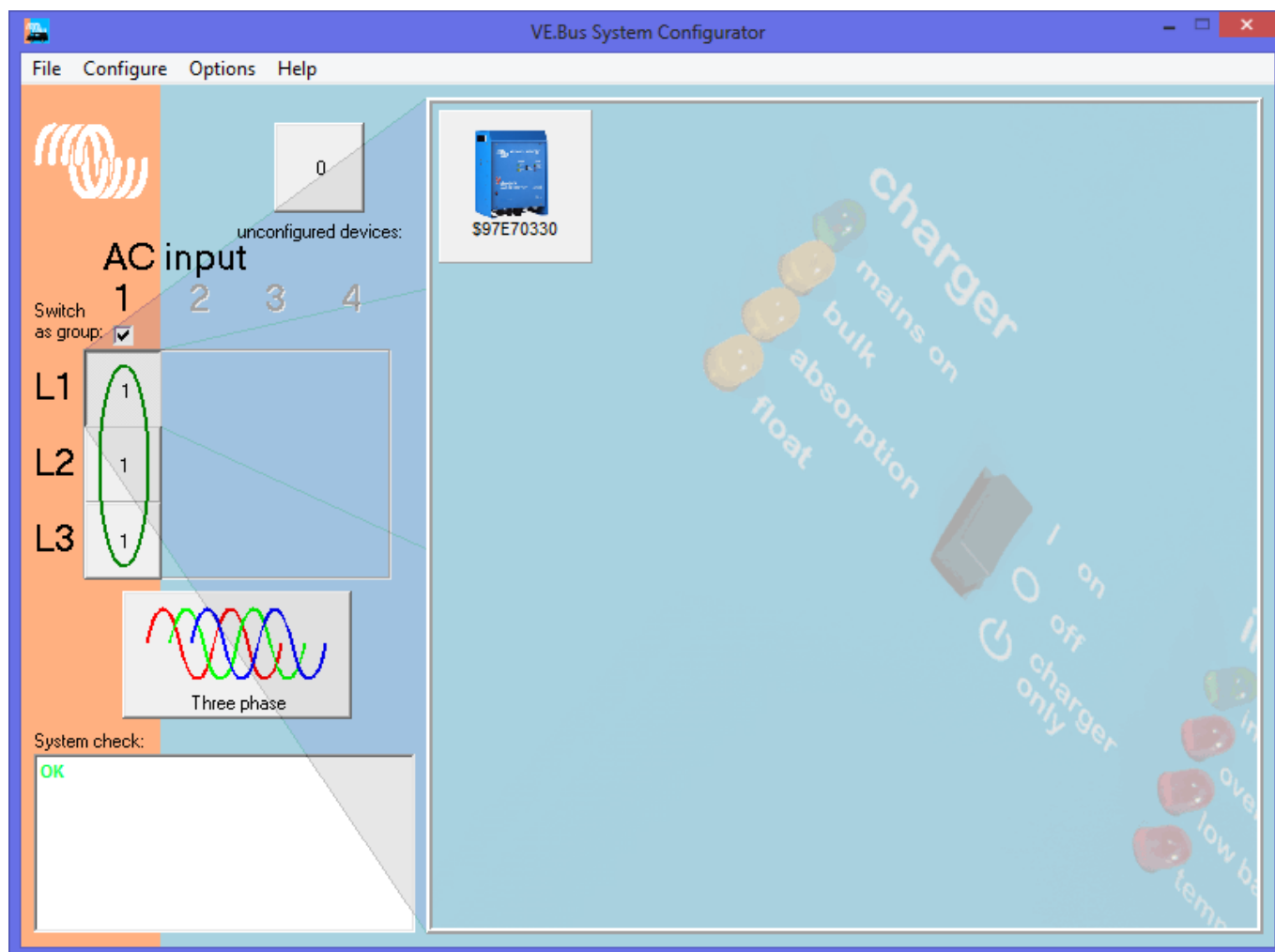


NOTE: this page will need updating for Self-consumption Hub-2 v3

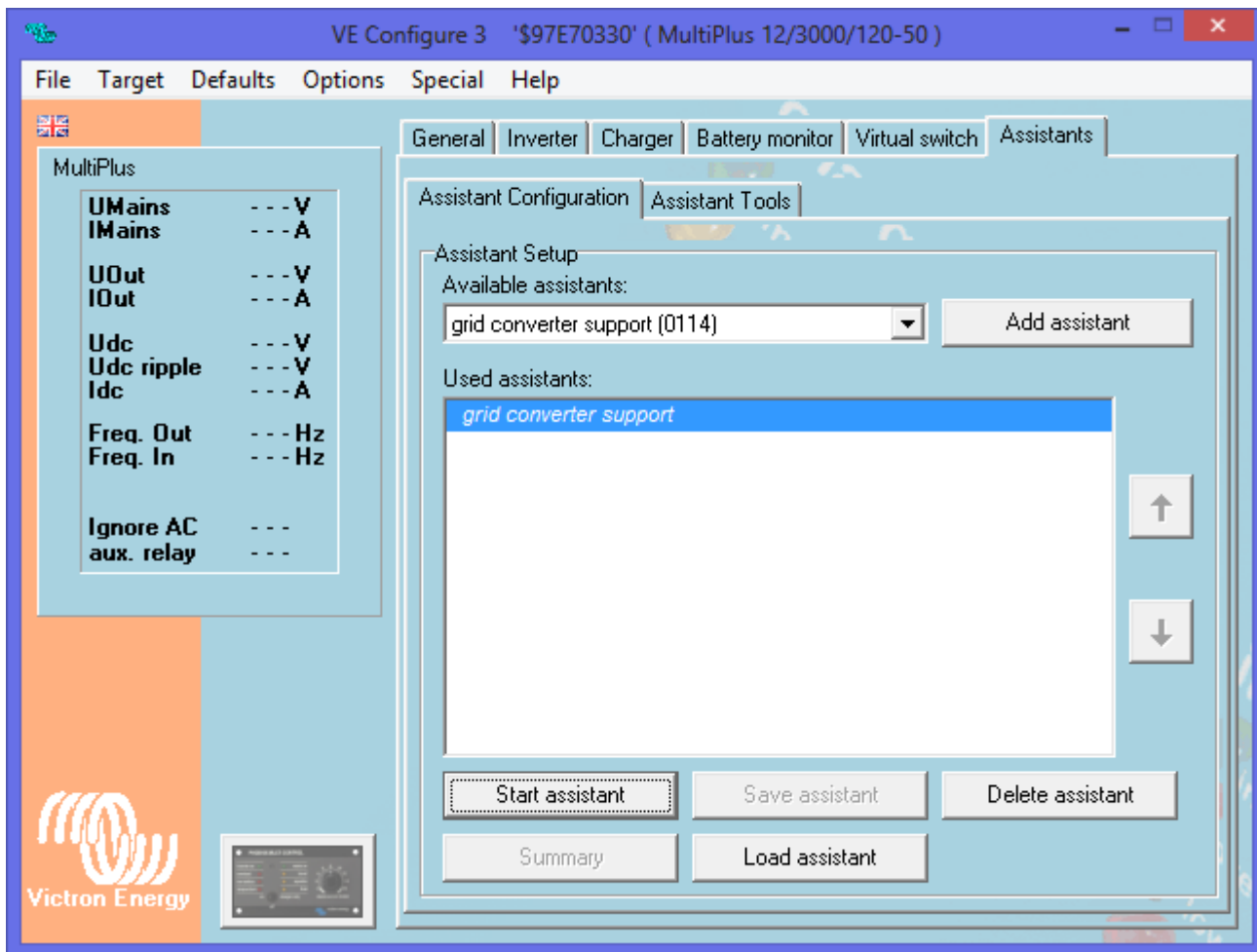
Here follows the only way to configure a 3 phase system using the Grid Converter assistant.

The Ideal Program is the VE Bus Quick Configure but for this document the VE Bus System Configurator will be used.

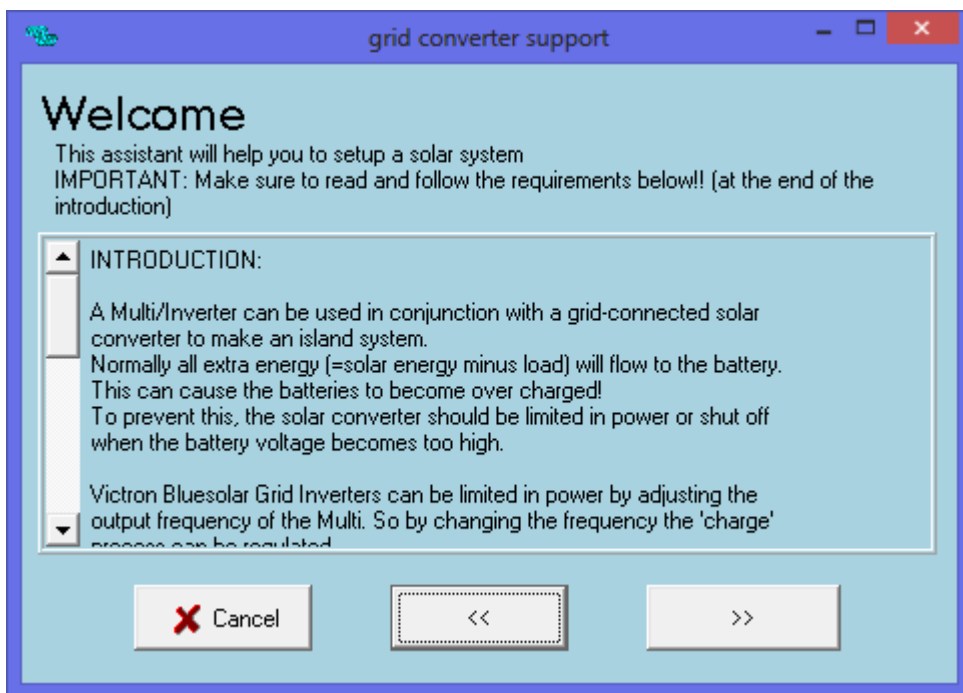
Select Phase 1 and right click to access VE Configure



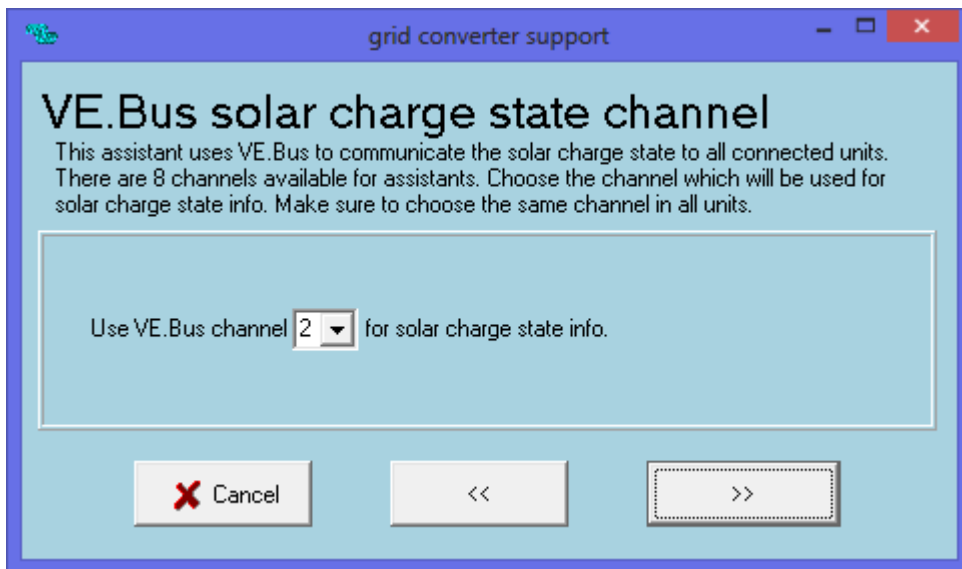
The screenshot shows the 'VE Configure 3' software interface for a 'MultiPlus 12/3000/120-50' inverter. The window title is 'VE Configure 3 '\$97E70330' (MultiPlus 12/3000/120-50)'. The interface includes a menu bar (File, Target, Defaults, Options, Special, Help) and a toolbar with tabs for 'General',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



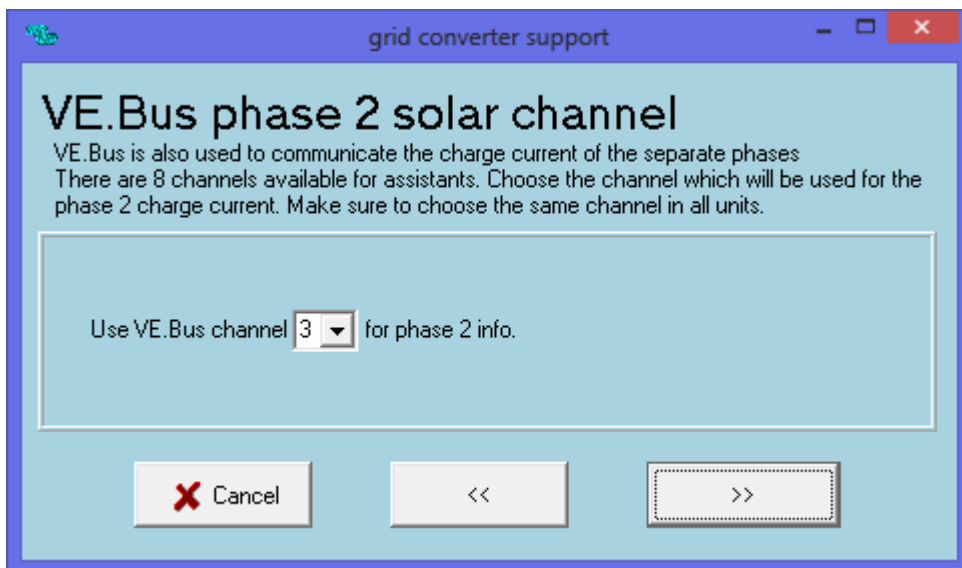
Start the assistant, read the welcome page carefully!



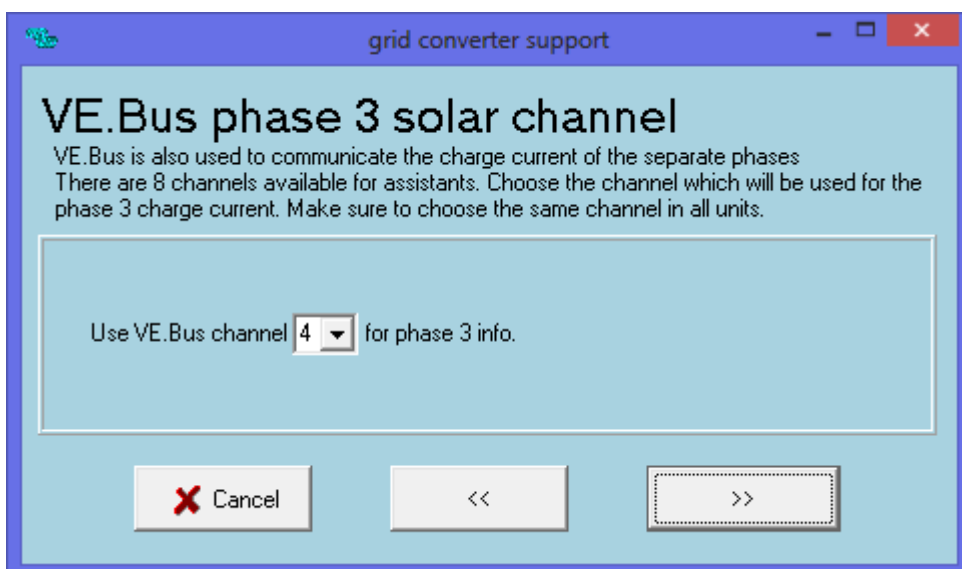
The Solar Charge Channel must stay at channel 2.



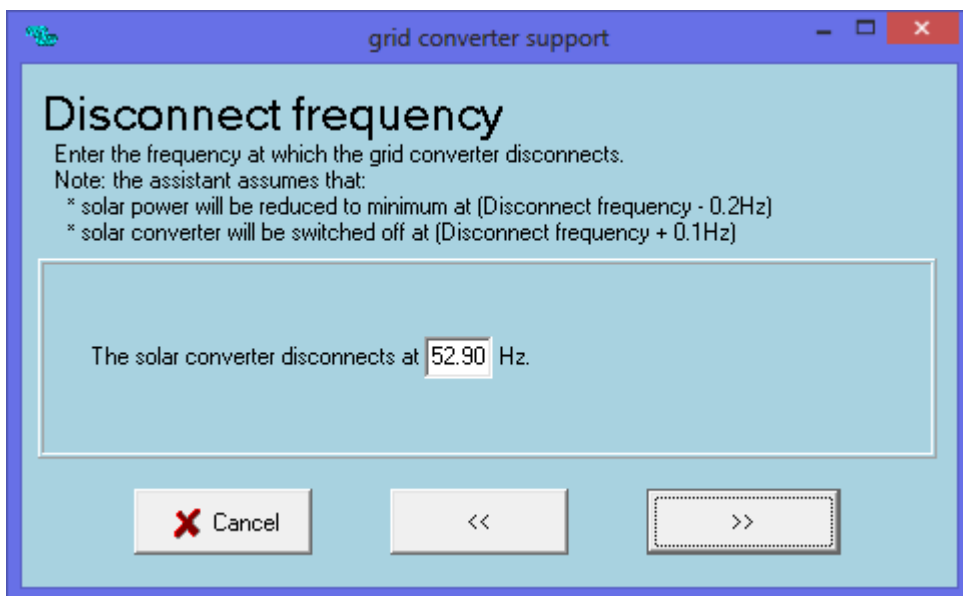
Phase 2 Solar Channel stays at 3



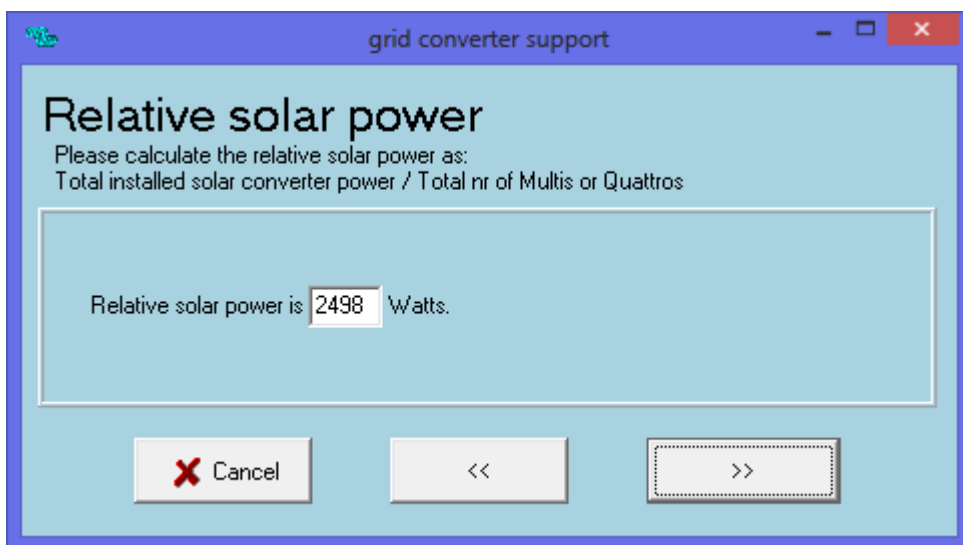
Phase 3 Solar Channel stays at 4



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.



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