

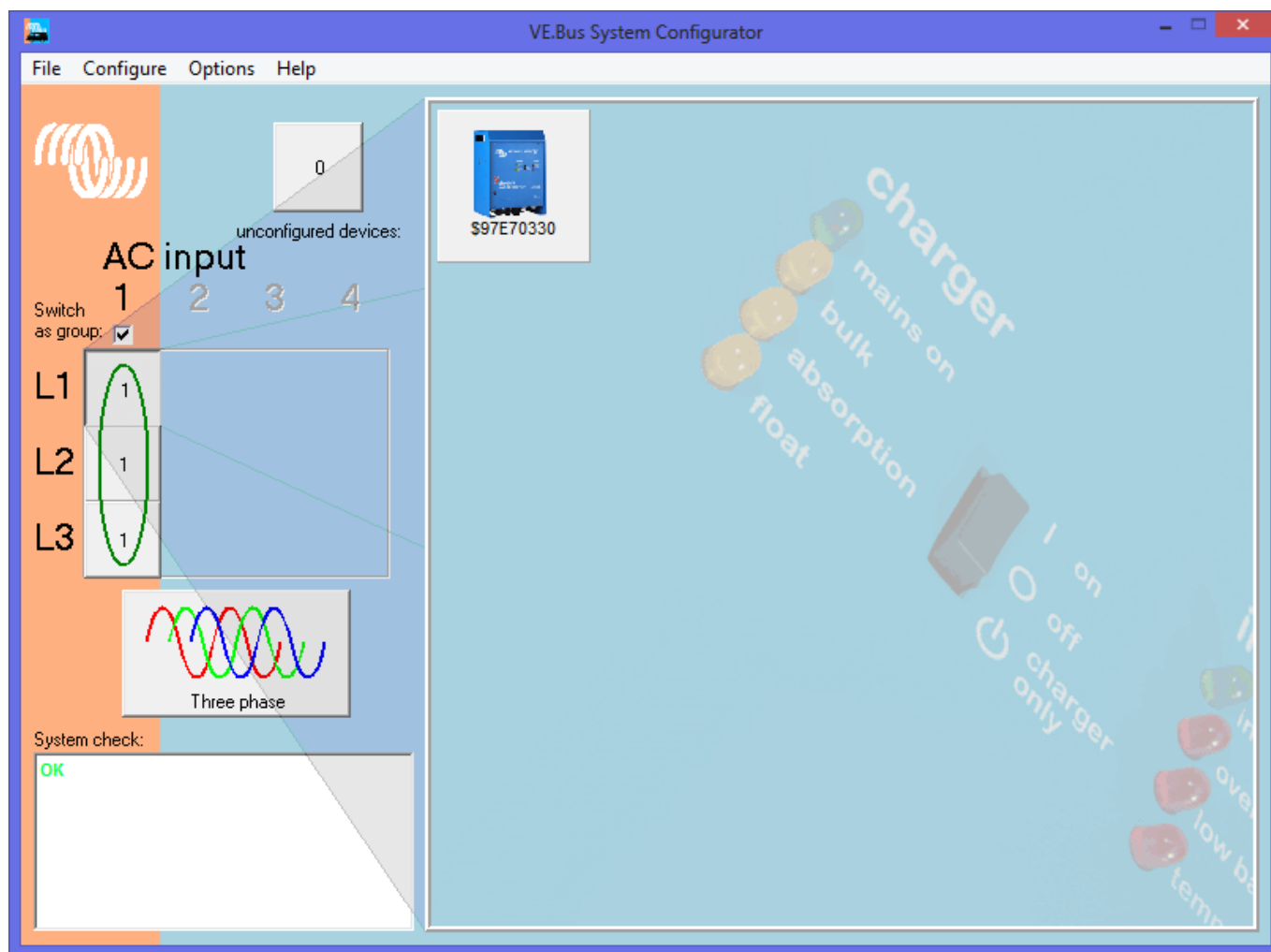
PV Inverter Assistant in a three phase installation on 2xx

Notes

- This page shows VE.Bus System Configurator. Note that it is also possible to use VE,Bus Quick Configure.
- The channels configuration, which is what makes this a bit more complicated than usual, is only necessary on 2xx firmware. On new firmware (4xx), this is all done automatically behind the scenes.

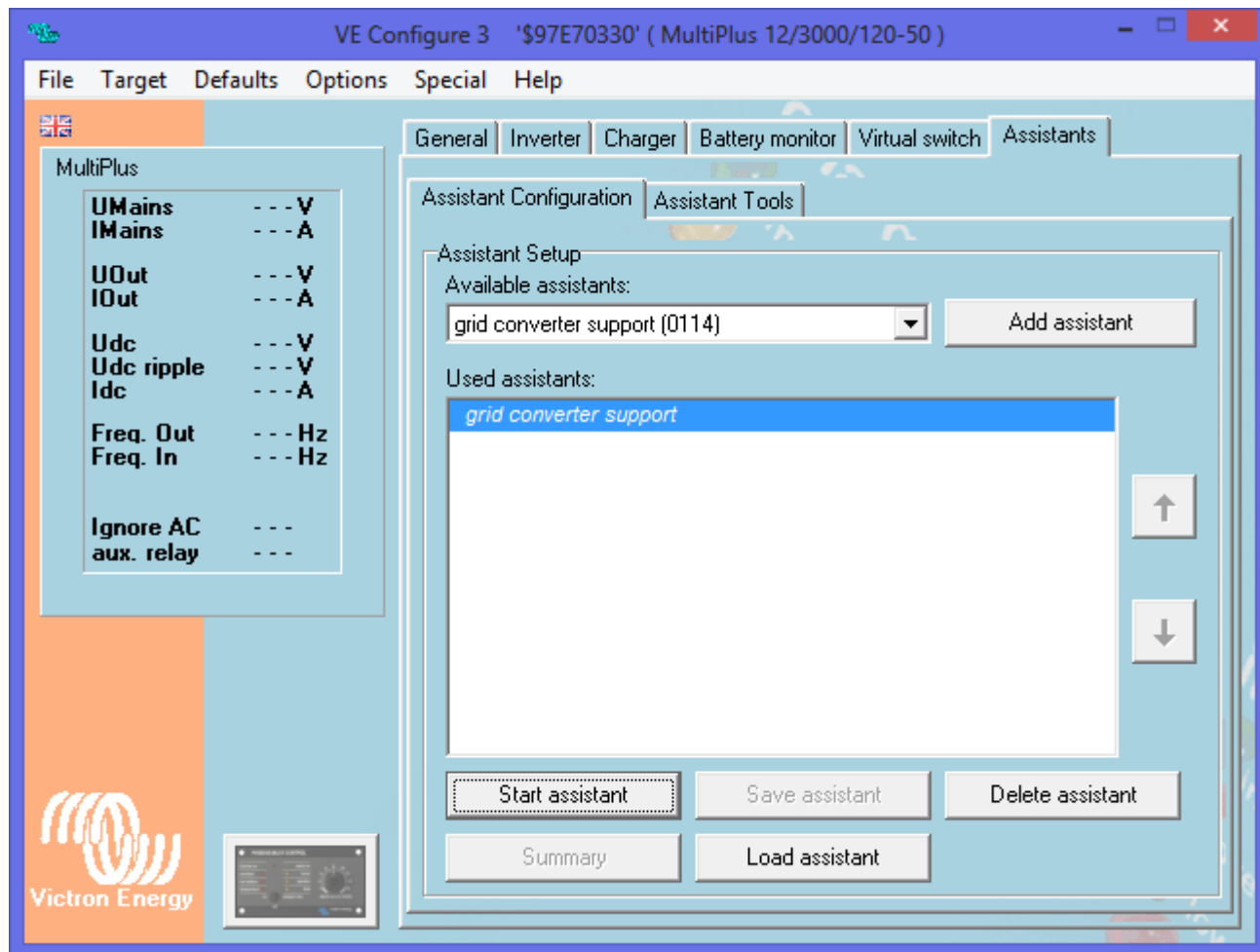
Step by step instructions

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

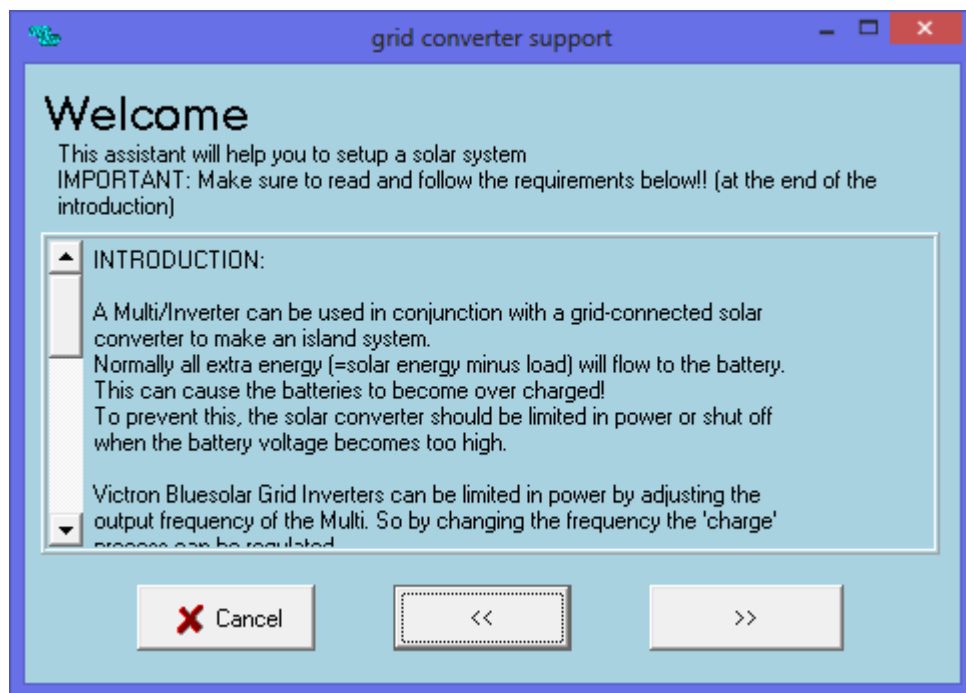


The screenshot shows the 'VE Configure 3' software interface for a 'MultiPlus 12/3000/120-50' inverter. The window title is 'VE Configure 3 '\$97E70330' (MultiPlus 12/3000/120-50)'. The interface includes a menu bar (File, Target, Defaults, Options, Special, Help) and a toolbar with tabs for General, 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, an 'Add assistant' button, and a 'Used assistants:' list box. Below the list box are 'Start assistant', 'Save assistant', and 'Delete assistant' buttons. At the bottom of the configuration window are 'Summary' and 'Load assistant' buttons. On the left side of the main interface, there is a 'MultiPlus' parameter list and the Victron Energy logo.

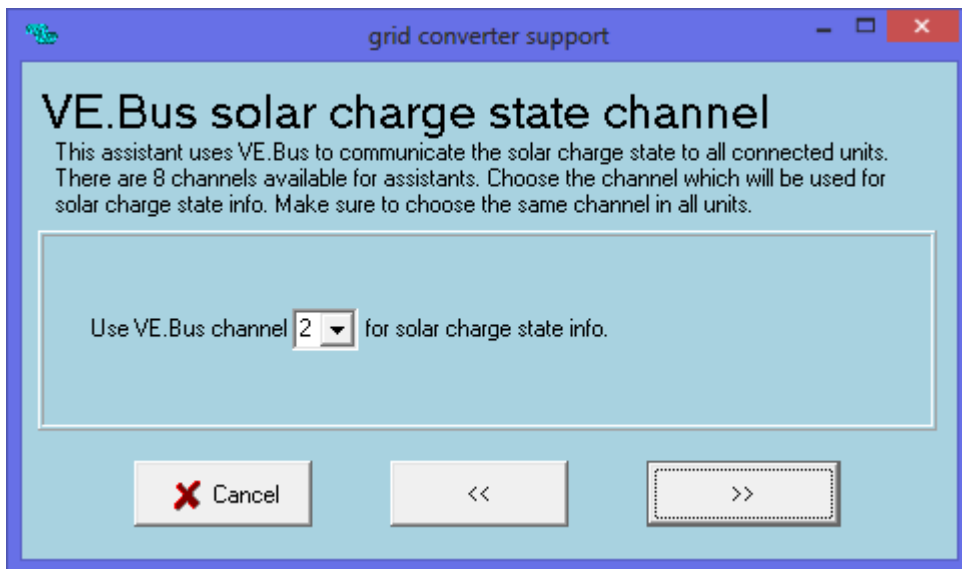
Parameter	Unit
UMains	V
IMains	A
UOut	V
IOut	A
Udc	V
Udc ripple	V
Idc	A
Freq. Out	Hz
Freq. In	Hz
Ignore AC aux. relay	



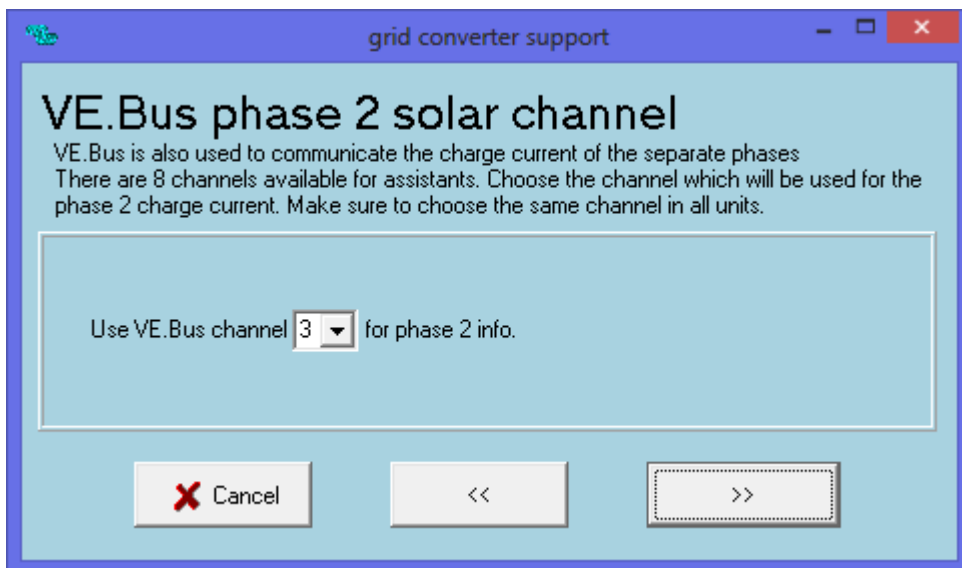
Start the assistant, read the welcome page carefully!



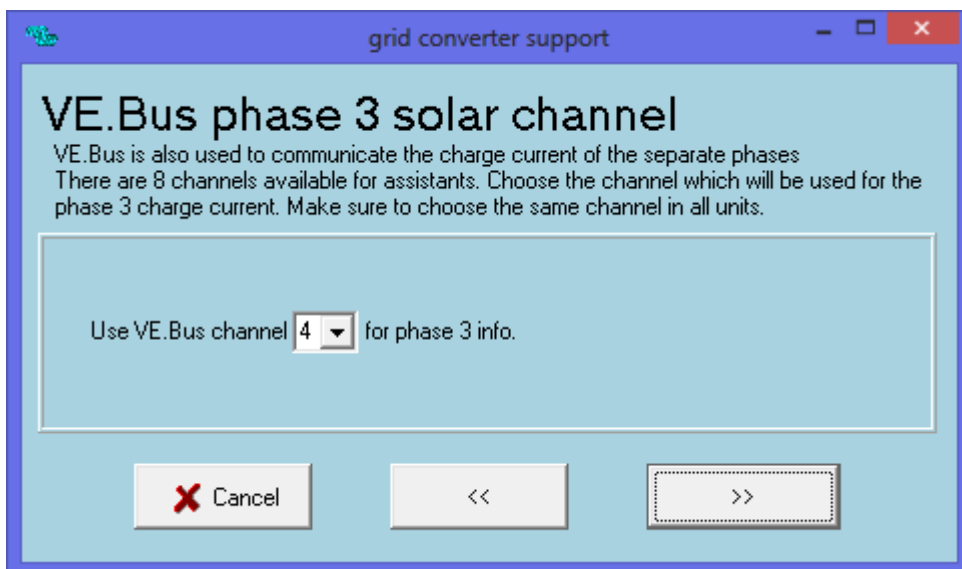
The Solar Charge Channel must stay at channel 2.



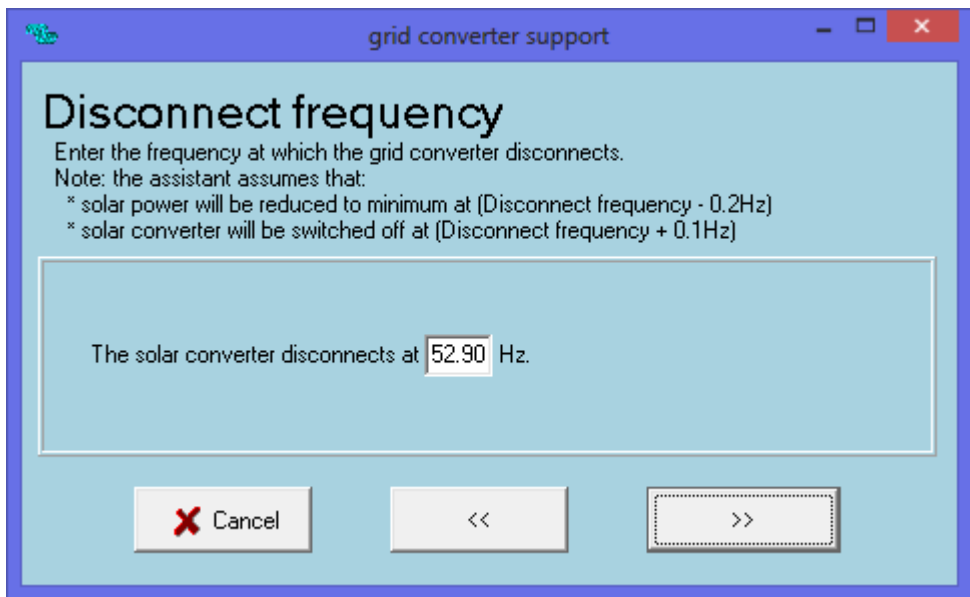
Phase 2 Solar Channel stays at 3



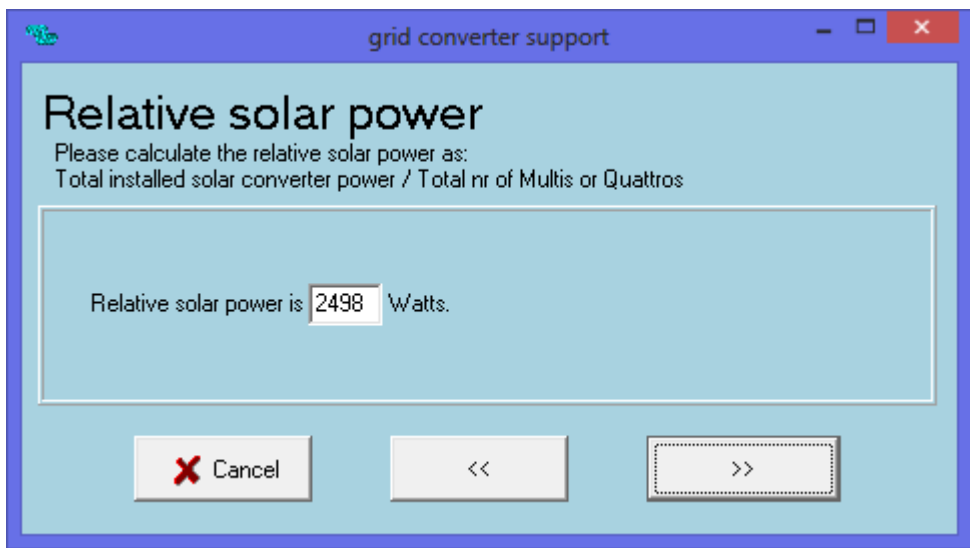
Phase 3 Solar Channel stays at 4



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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Permanent link:
https://www.victronenergy.com/live/assistants:three_phase_pv_inverter_assistant?rev=1481533047

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