

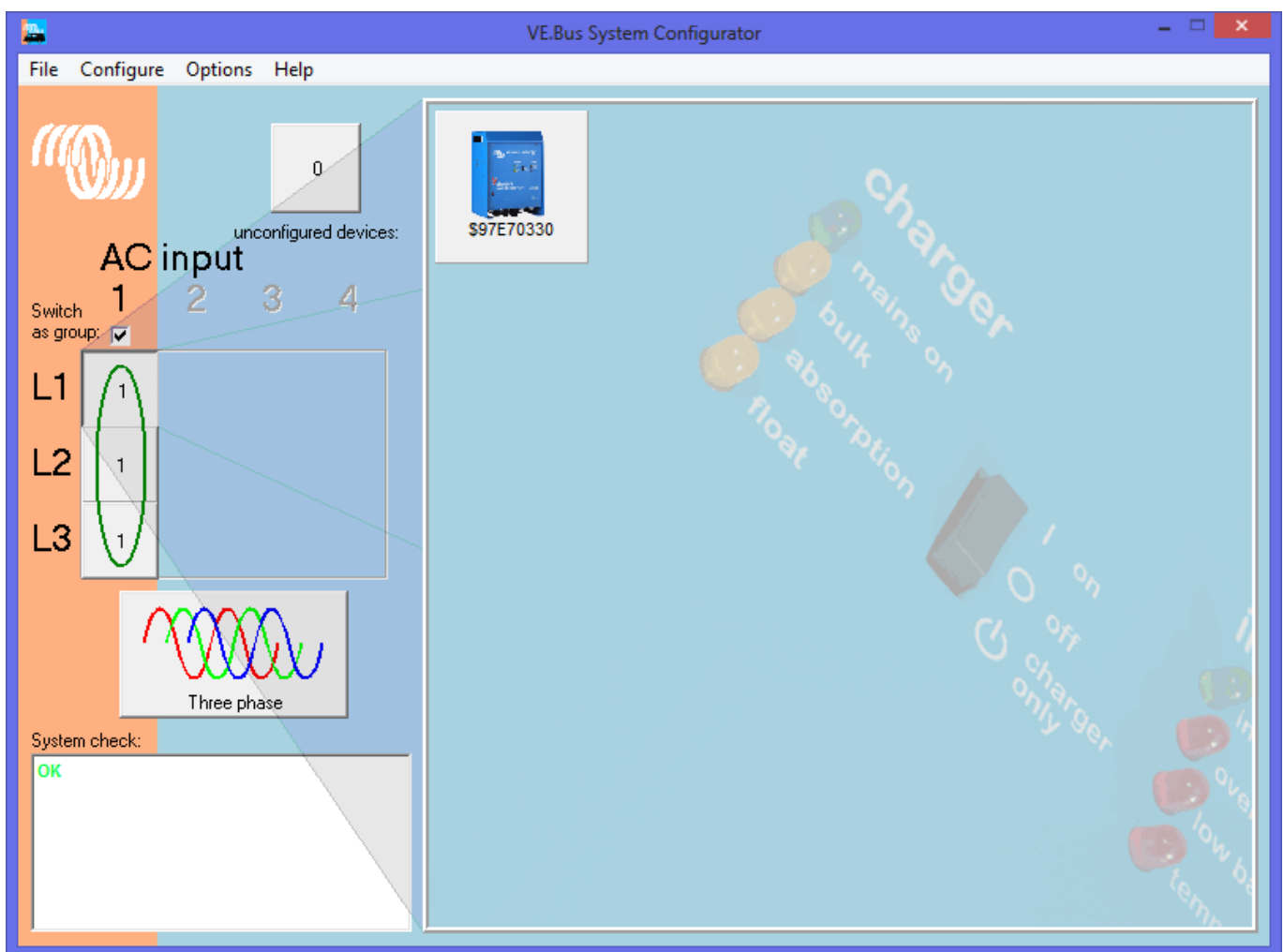
# PV Inverter Support Assistant in a three phase installation

## Notes

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

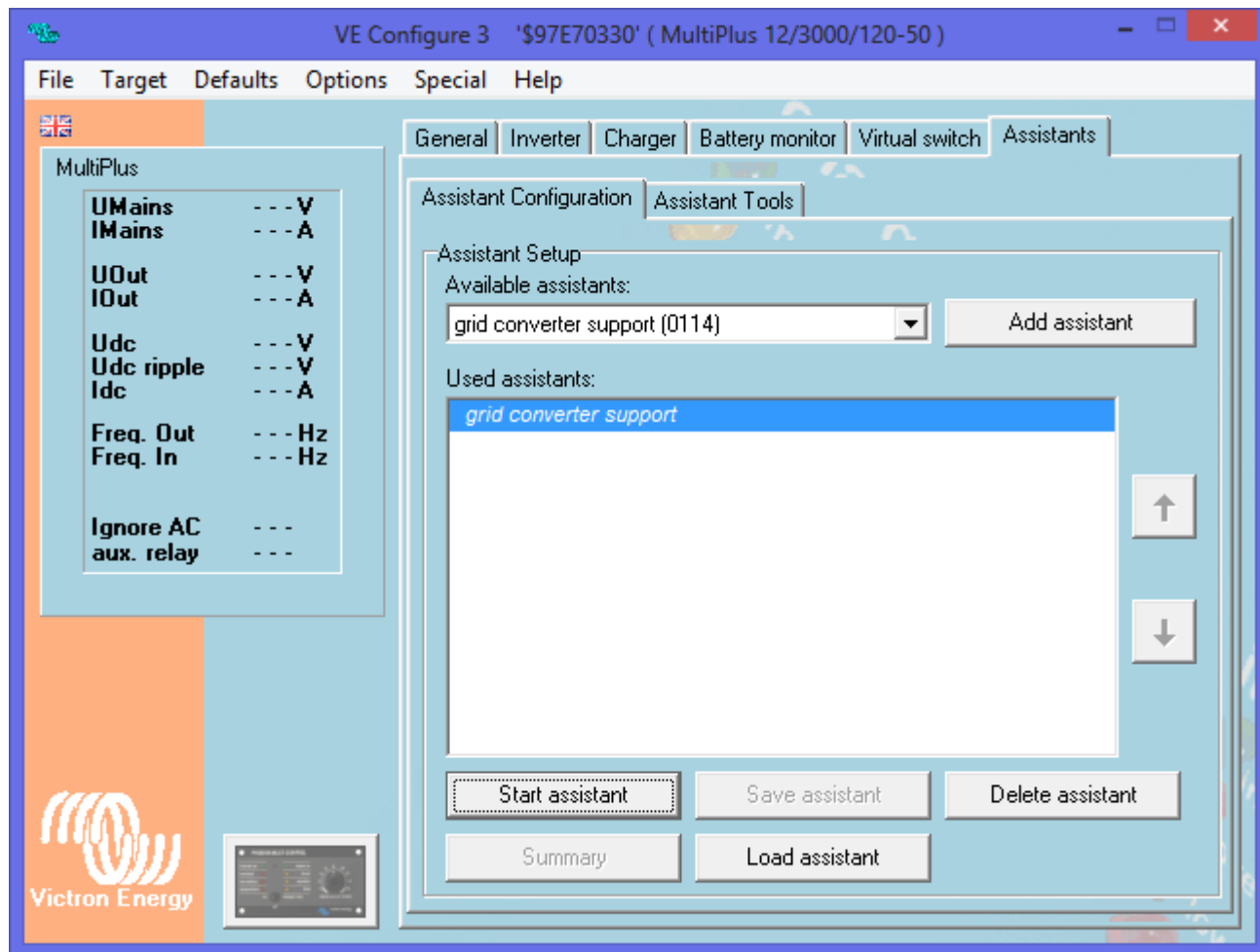
## Step by step instructions

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

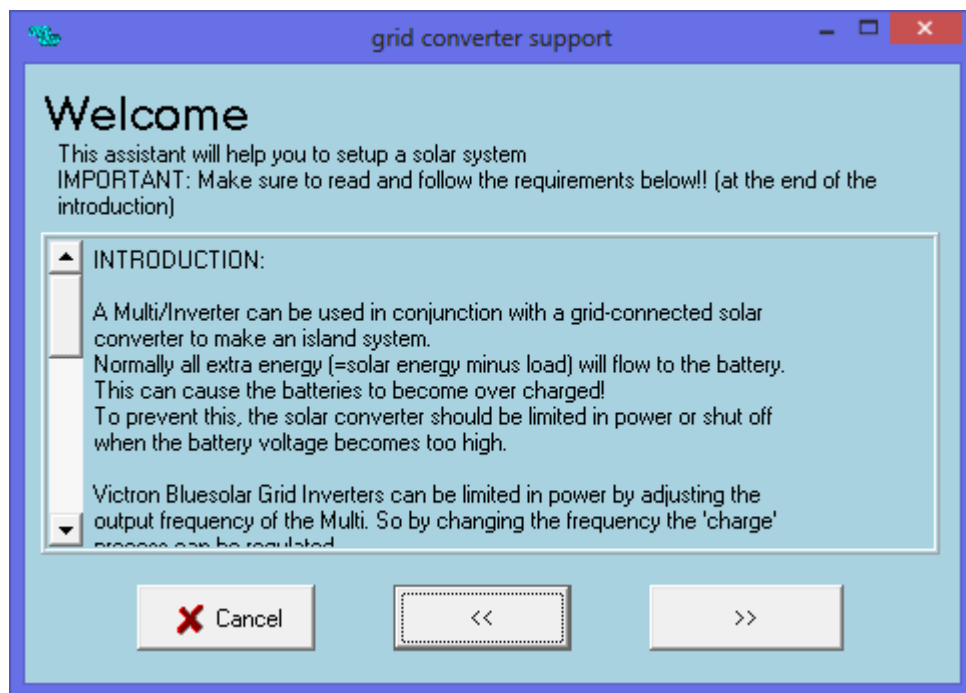


The screenshot shows the 'VE Configure 3' software interface for a 'MultiPlus 12/3000/120-50' unit. The window title is 'VE Configure 3 '\$97E70330' ( MultiPlus 12/3000/120-50 )'. The interface includes a menu bar (File, Target, Defaults, Options, Special, Help) and a tabbed navigation system with tabs 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 area with up and down arrow buttons. 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' parameter list and the Victron Energy logo.

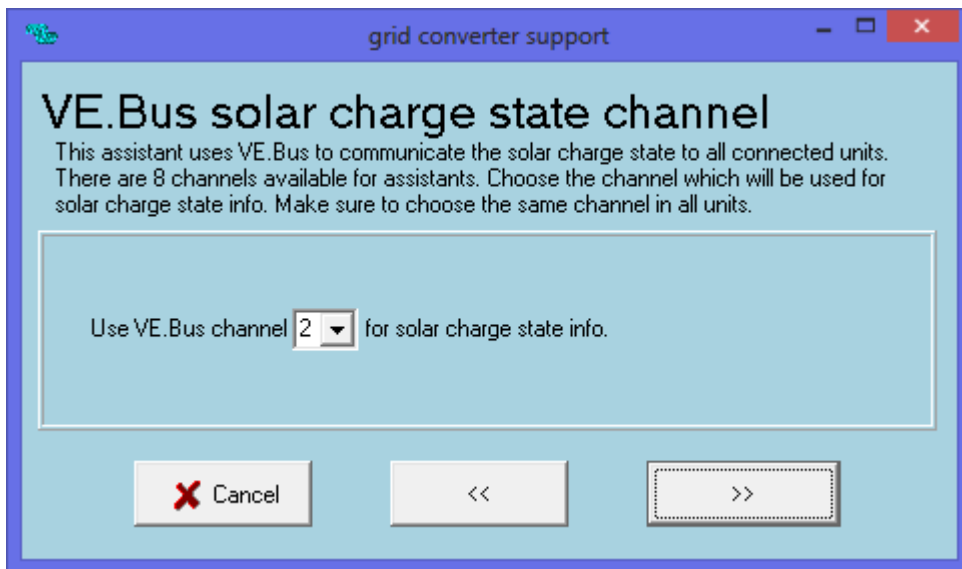
MultiPlus	
UMains	--- V
IMains	--- A
UOut	--- V
IOut	--- A
Udc	--- V
Udc ripple	--- V
Idc	--- A
Freq. Out	--- Hz
Freq. In	--- Hz
Ignore AC aux. relay	---



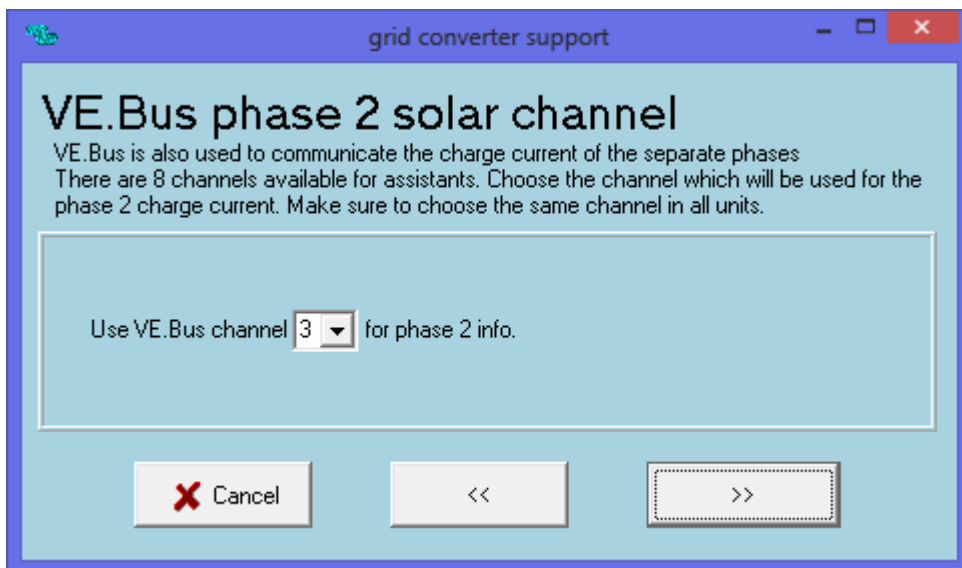
Start the assistant, read the welcome page carefully!



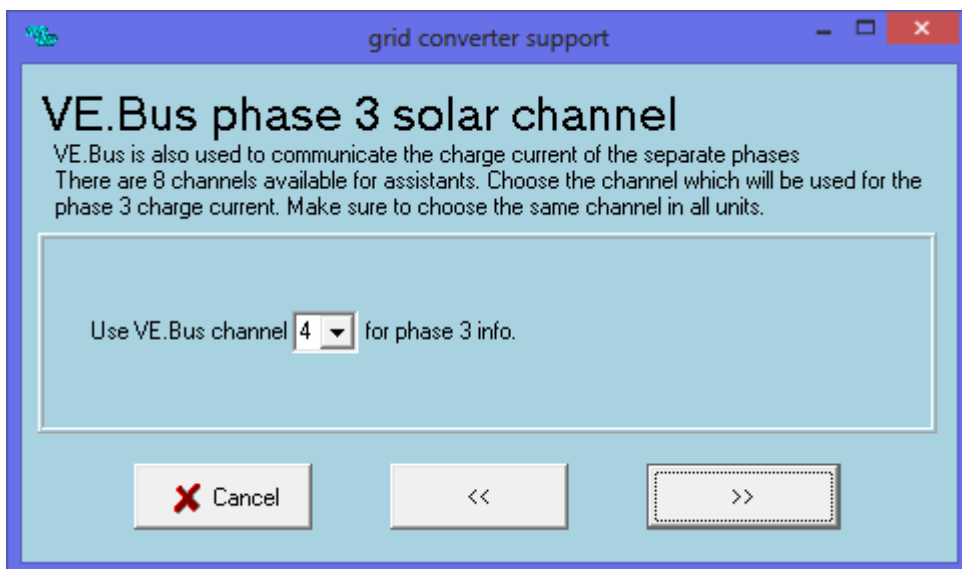
The Solar Charge Channel must stay at channel 2.



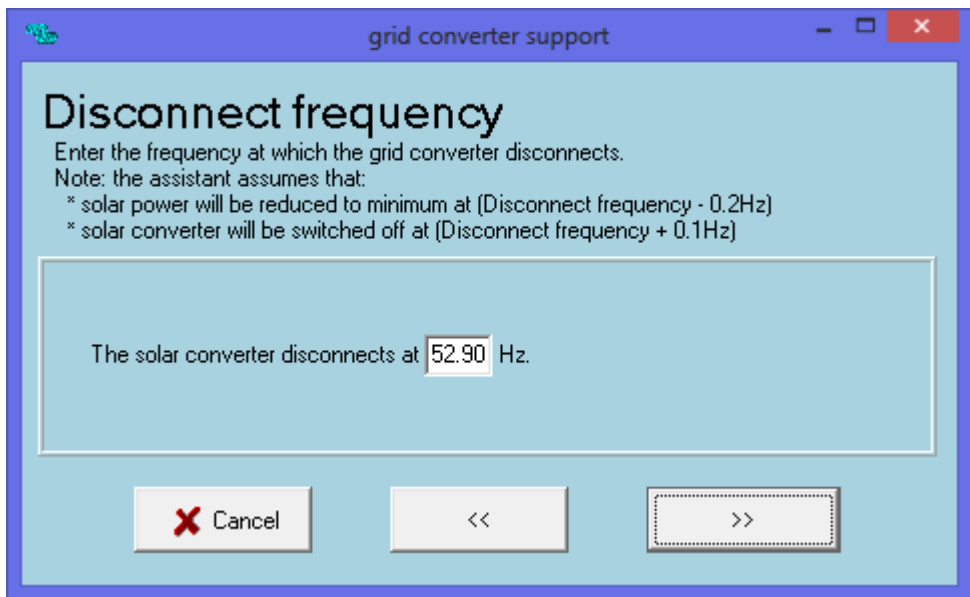
Phase 2 Solar Channel stays at 3



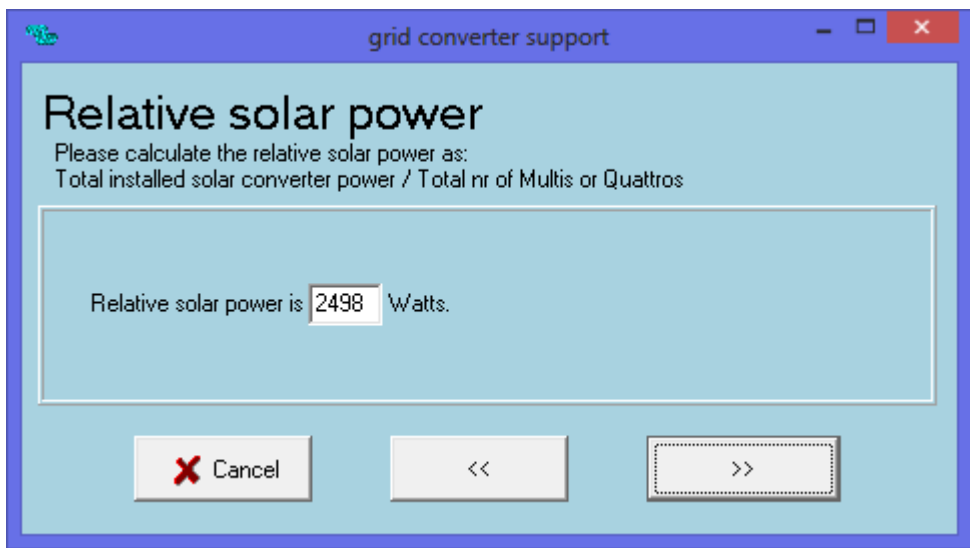
Phase 3 Solar Channel stays at 4



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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Last update: **2016-12-11 21:14**

