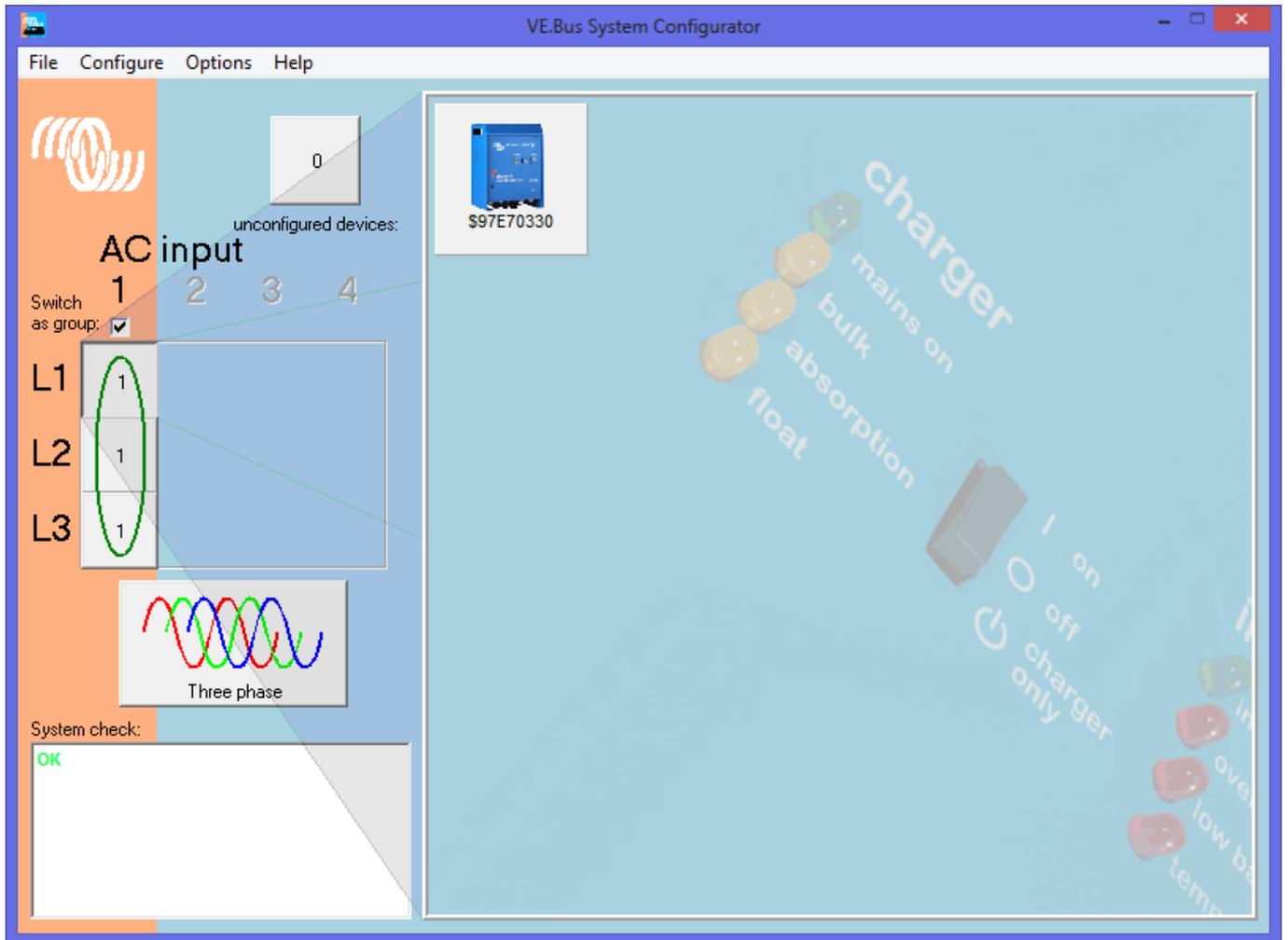


Here follows the only way to configure a 3 phase system using the Grid Converter assistant.

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

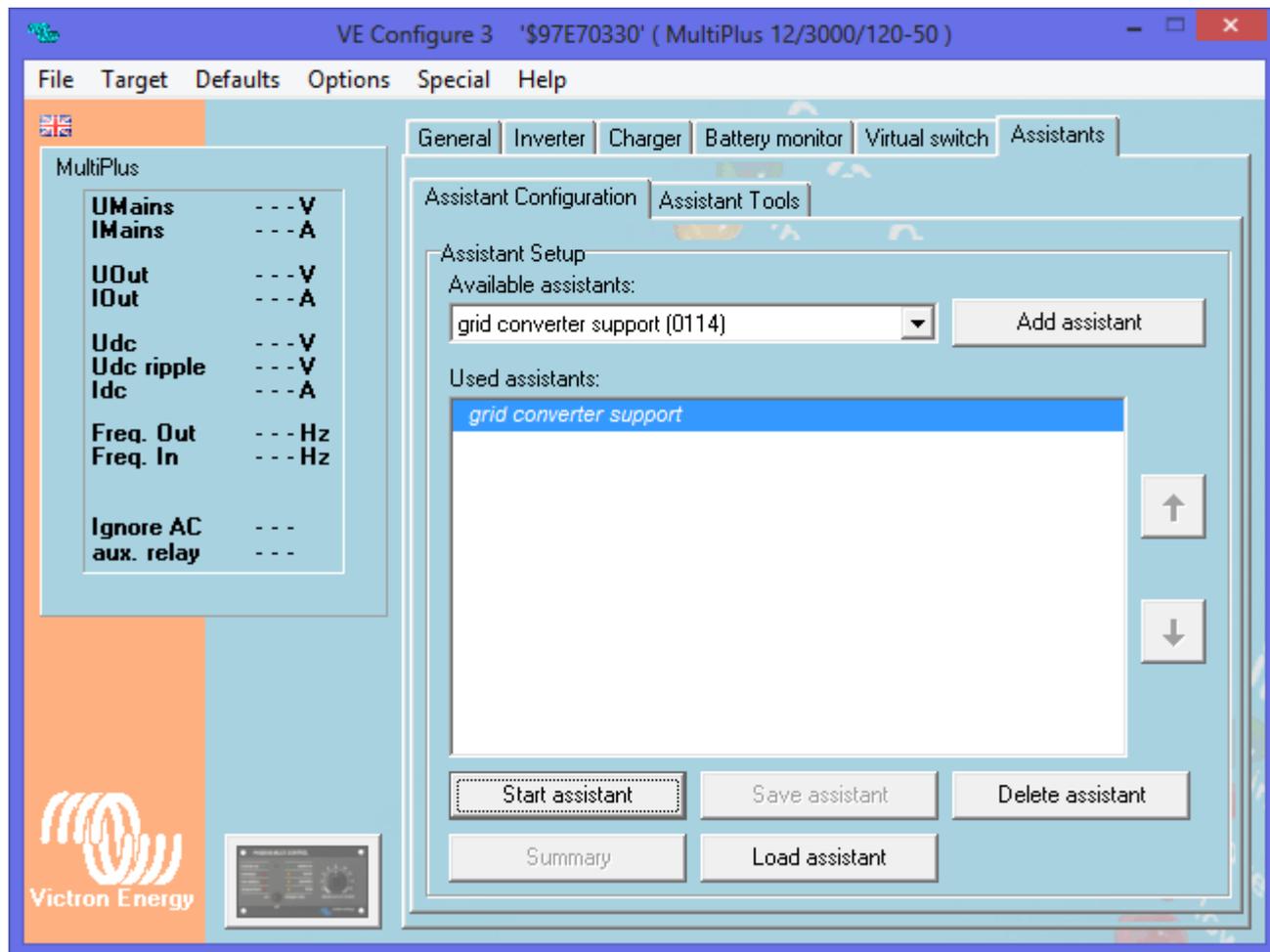
Select Phase 1 and right click to access VE Configure



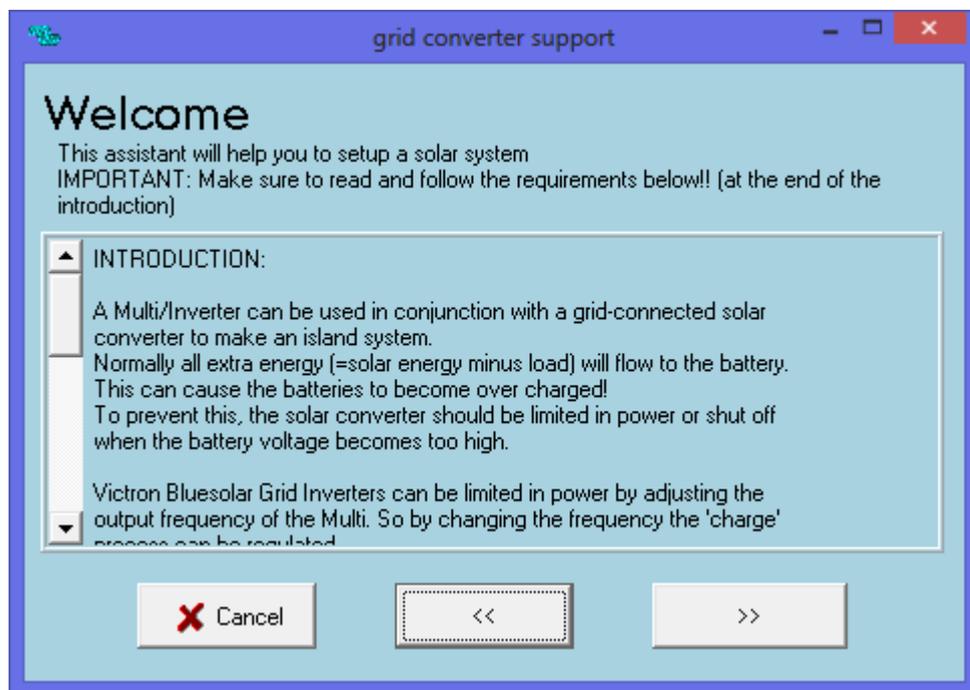
The screenshot shows the 'VE Configure 3' software interface for a 'MultiPlus 12/3000/120-50' unit. The window title is 'VE Configure 3 '\$97E70330' (MultiPlus 12/3000/120-50)'. The interface includes a menu bar (File, Target, Defaults, Options, Special, Help) and a toolbar with tabs for General, Inverter, 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, which is currently empty, with up and down arrow buttons for navigation. 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:

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	---	

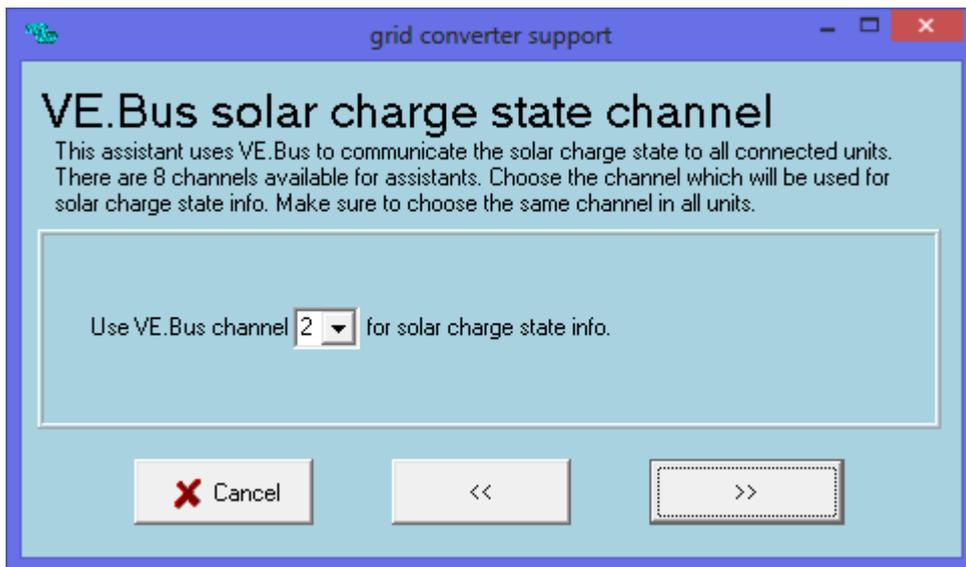
The bottom left corner features the Victron Energy logo and a small thumbnail image of the device's control panel.



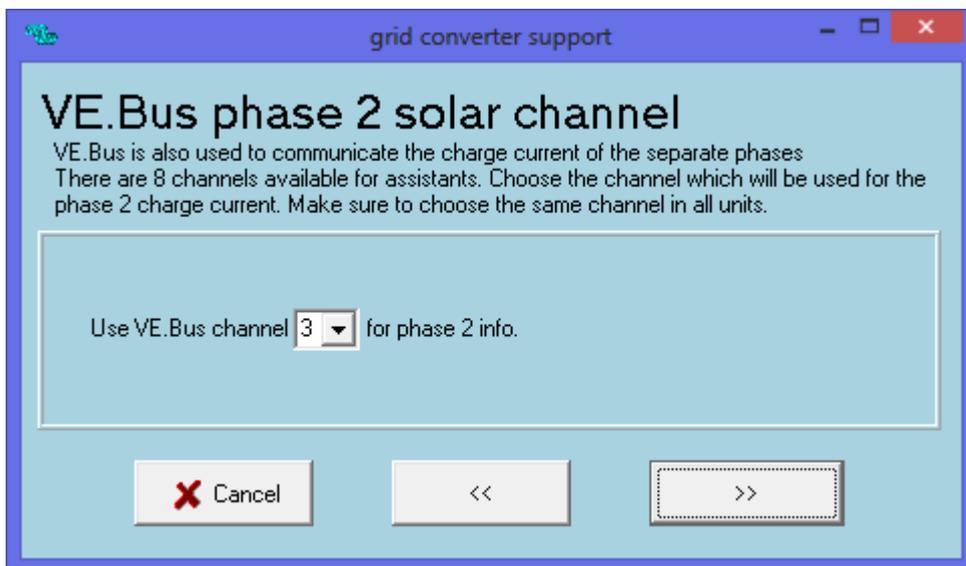
Start the assistant, read the welcome page carefully!



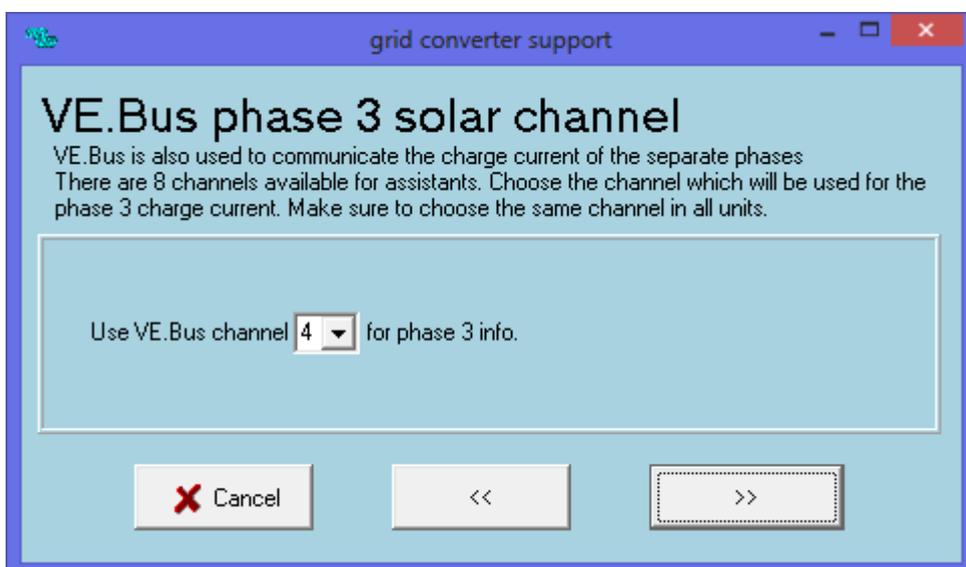
The Solar Charge Channel must stay at channel 2.



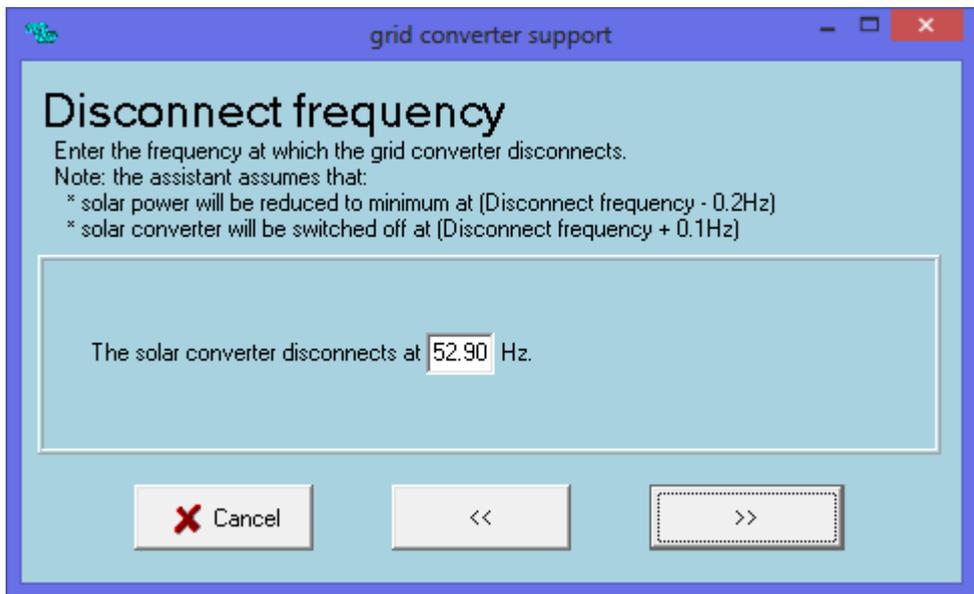
Phase 2 Solar Channel stays at 3



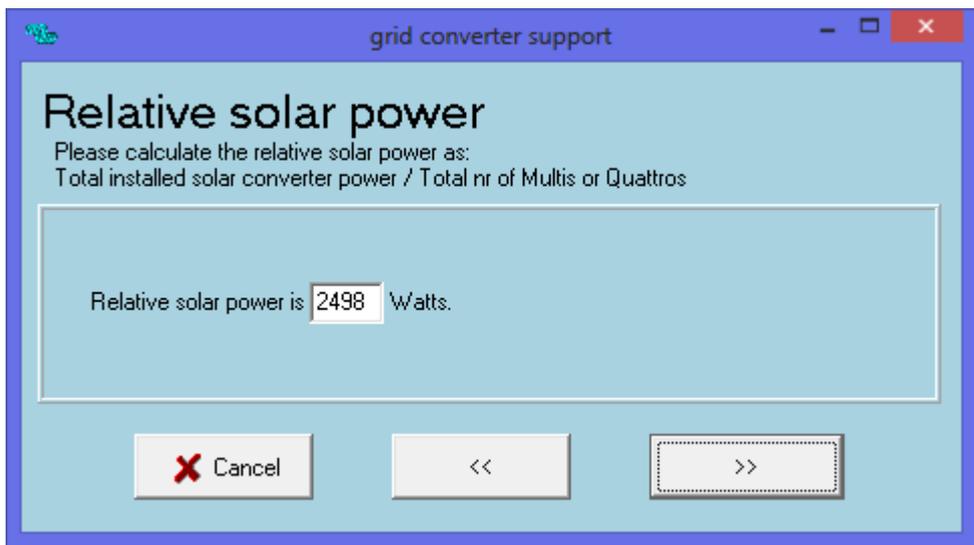
Phase 3 Solar Channel stays at 4



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.



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

Permanent link: https://www.victronenergy.com/live/assistants:three_phase_pv_inverter_assistant?rev=1406325102

Last update: **2014-07-25 23:51**

