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



Last update: 2014-07-26 assistants:three_phase_pv_inverter_assistant https://www.victronenergy.com/live/assistants:three_phase_pv_inverter_assistant?rev=1406327305 00:28

ЧĿ		VE	Configure 3 '\$97E70330' (MultiPlus 12/3000/120-50) – 🗆 💌		
File	Target [efaults Optio	ons Special Help		
			General Inverter Charger Battery monitor Virtual switch Assistants		
м	MultiPlus				
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	lOut	A	grid converter support (0114)		
	Udc Udc ripple Idc	····V	Used assistants:		
	Freq. Out Freq. In	Hz Hz			
	Ignore AC aux. relay		↑		
1			Start assistant Save assistant Delete assistant	1	
l I Vict			Summary Load assistant	9	

3/5



Start the assistant, read the welcome page carefully!



The Solar Charge Channel must stay at channel 2.

Last update: 2014-07-26 assistants:three_phase_pv_inverter_assistant https://www.victronenergy.com/live/assistants:three_phase_pv_inverter_assistant?rev=1406327305 00:28

- Mar.	grid converter support 🛛 🗕 🗖 🗙				
VE.Bus solar charge state channel This assistant uses VE.Bus to communicate the solar charge state to all connected There are 8 channels available for assistants. Choose the channel which will be use solar charge state info. Make sure to choose the same channel in all units.					
	Use VE.Bus channel 2 💌 for solar charge state info.				
	X Cancel << >>				

Phase 2 Solar Channel stays at 3

Ч <u>С</u> -	grid converter support 🛛 🗕 🗖 🗙				
VE.Bus phase 2 solar channel VE.Bus is also used to communicate the charge current of the separate phases There are 8 channels available for assistants. Choose the channel which will be used f phase 2 charge current. Make sure to choose the same channel in all units.					
	Use VE.Bus channel 3 💌 for phase 2 info.				
	X Cancel << >>				

Phase 3 Solar Channel stays 4

ЗЪ.	grid converter support	- 🗆 🗙				
VE.Bus VE.Bus There a phase 3	VE.Bus phase 3 solar channel VE.Bus is also used to communicate the charge current of the separate phases There are 8 channels available for assistants. Choose the channel which will be used for the phase 3 charge current. Make sure to choose the same channel in all units.					
Use	Use VE.Bus channel 4 💌 for phase 3 info.					
	X Cancel <<	>>				

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.

<i>Ч</i> Б-	grid converter support	-	×
Disc Enter th Note: th * solar * solar	connect frequency e frequency at which the grid converter disconnects. e assistant assumes that: power will be reduced to minimum at (Disconnect frequency - 0.2Hz) converter will be switched off at (Disconnect frequency + 0.1Hz)		
The	solar converter disconnects at 52.90 Hz.		
	X Cancel << >>		

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

°&	grid converter support 🛛 🗖 🗖	×
Rela Please Total in	ative solar power e calculate the relative solar power as: nstalled solar converter power / Total nr of Multis or Quattros	_
Rel	elative solar power is 2498 Watts.	
	X Cancel << >>	

