



General (turn off battery monitor – not needed with Shunt)

System frequency	60Hz	
AC1 input current limit	13.0A	
Current limit overruled by remote	<input checked="" type="checkbox"/>	
Dynamic current limit	<input type="checkbox"/>	
Prevents AC voltage drop in the event of a sudden load increase. More...		
Enable battery monitor	<input type="checkbox"/>	
Battery capacity	0Ah	
State of charge when bulk finished	95.0%	
Charge efficiency	<input type="text" value="0.99"/>	

Grid

Inverter (turn off AES)

Inverter output voltage	120V
Ground relay	<input checked="" type="checkbox"/>
More info...	
DC input low-shutdown	11.00V
Inverter will switch off when the DC voltage drops below this level	
DC input low restart	12.00V
Voltage at which the inverter will restart after a shutdown by low DC voltage	
DC input low pre-alarm	12.20V
Level at which the low battery pre-alarm indication starts	
Low SOC shut-down	Disabled
AES	<input type="checkbox"/>
Saves battery energy when there is no (or very low) load connected to the inverter. More...	
Start AES when load lower than	60W
Stop AES when load higher than	94W
AES type	Modified sine wave
AES types description.	
PowerAssist	<input checked="" type="checkbox"/>
If the load exceeds the AC-input current limit, use the inverter to assist. More...	
Assist current boost factor	2.0
Factor applied to AC input current limit when needed assist current is unknown. More...	

Charger

Increase to 120A (maximum allowed)

Increase float/absorption from 13.9 to 14.2V

Enable charger

Charge current 120A

Float voltage 14.20V

Absorption voltage 14.20V

Repeated absorption interval

The charger will enter in repeated absorption mode at 7.00d the specified interval to "refresh" the battery.

Repeated absorption time 1.00h

Absorption time 1h

Charge curve Fixed

[Charge curves description.](#)

Lithium batteries

[Click here to know the effect of enabling or disabling Lithium battery r](#)

The table below shows the effect of Enabling or Disabling Lithium battery mode:

Feature	Lithium mode Disabled (default)	Lithium mode Enabled
Temperature compensation	Lead algorithm	No temperature compensation
Re-bulk voltage	1.3V less than Float-voltage, to a maximum of 12.9V	0.2V less than Float-voltage, to a maximum of 13.5V

Note: All mentioned voltages and thresholds are for a 12V system. For 24 multiply by two, and for 48V, multiply by four. So for example at 48V, the re-bulk mechanism for a lithium battery will use Vfloat - 0.8V with a maximum of 54V.

Temperature compensation Charge voltage are not increased or decreased within normal temperature ranges (5°C - 40°C) for lithium batteries. Enabling Lithium mode will disable the normal built in temperature compensation features that are used for lead acid batteries.

Low temperature charging Lithium batteries can be damaged if they are over-charged when very cold. This exact temperature threshold varies, but a common safe value to begin charging is around 5 degrees Celcius. Charging is disabled below this temperature in lithium mode.

Re-bulk voltage The Re-bulk voltage is the point that the charger returns to the bulk charging stage. It depends upon the float voltage. Lithium batteries tend to have a more stable voltage output and a narrower voltage range than lead acid batteries, so in lithium mode the value between float and re-bulking is reduced.

> Grid

Accept wide input frequency range (45-65Hz)
When enabled all AC input frequency between 45-65 Hz is accepted as valid

UPS function
Fast transfer when the mains/generator stops. [Might need to be disabled with generators.](#)

AC low voltage disconnect
AC input will be deactivated when voltage drops below 94V this level

AC low voltage connect
Voltage at which the AC input will be activated after a 101V disconnection by low AC voltage

AC high voltage connect
Voltage at which the AC input will be activated after a 138V disconnection by high AC voltage

AC high voltage disconnect
AC input will be deactivated when voltage rises above 143V this level

Country / grid code standard
This setting is not supported in VictronConnect yet, use VEConfigure to configure it. None

<- Lithium batteries are being used. However, when this is selected it reverts back to off !!
Perhaps a SW glitch?