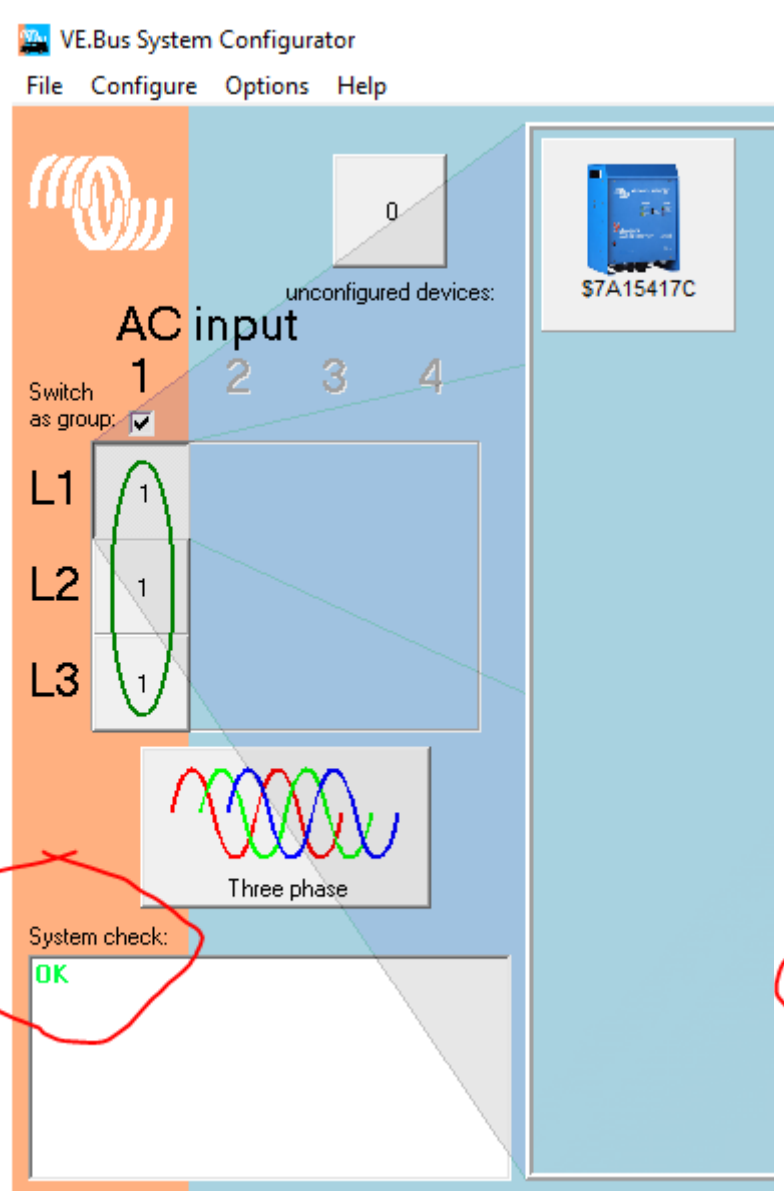
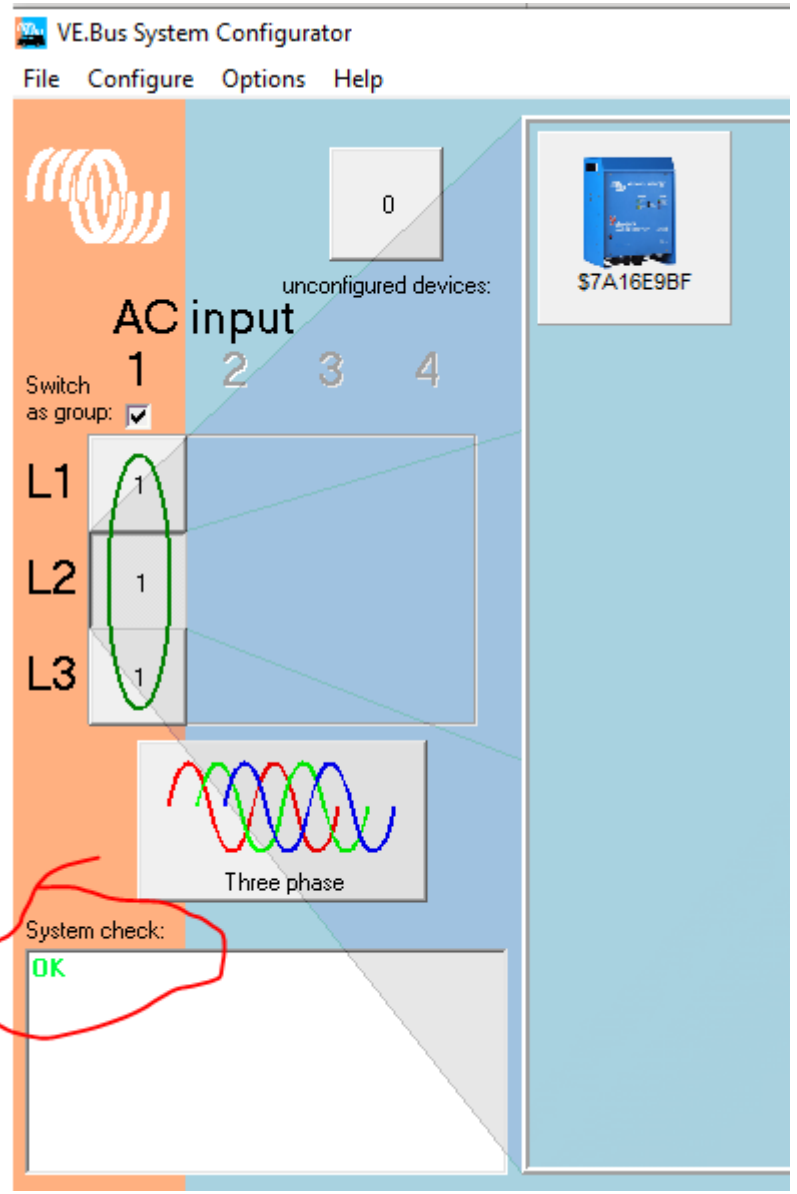
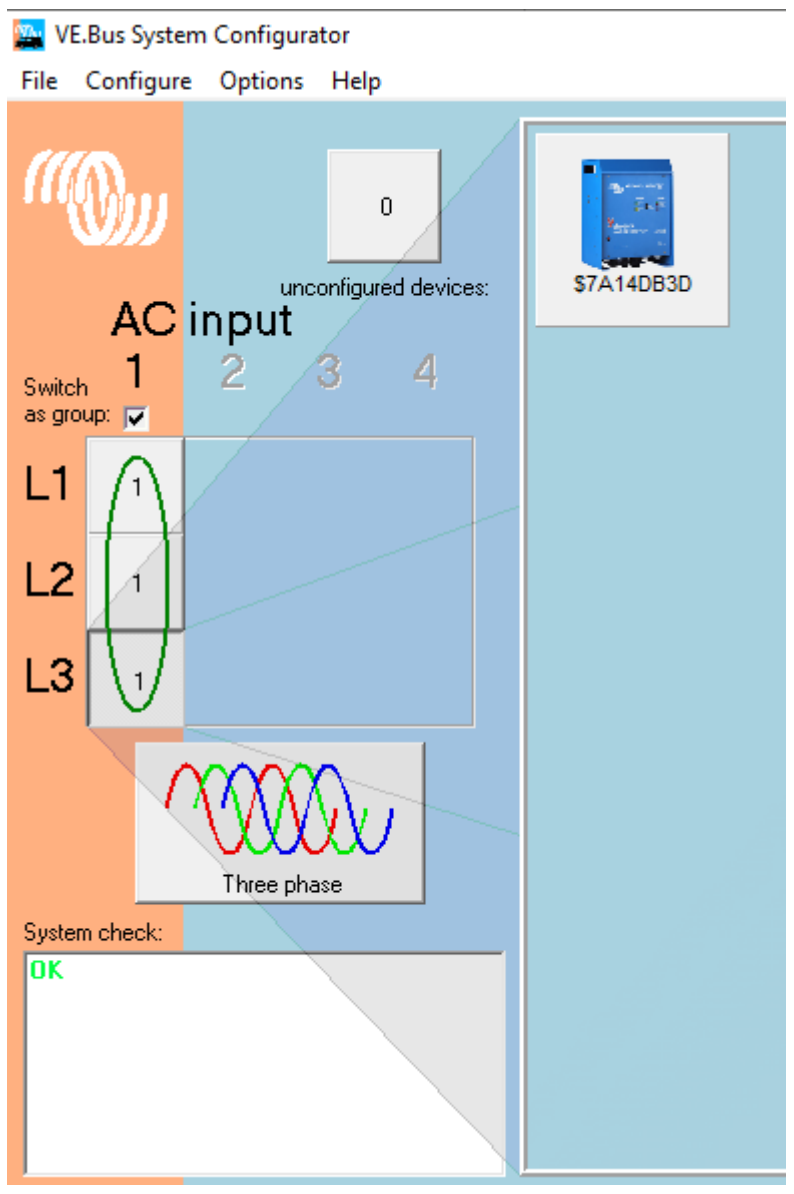

VE.Bus System Configurator
File Configure Options Help
0
unconfigured devices:
$7A15417C
AC input
1 2 3 4
Switch as group:
L1
L2
L3
1
1
1
Three phase
System check:
OK


VE.Bus System Configurator
File Configure Options Help
0
unconfigured devices:
$7A16E9BF
AC input
1 2 3 4
Switch as group:
L1
L2
L3
1
1
1
Three phase
System check:
OK


VE.Bus System Configurator
File Configure Options Help
0
unconfigured devices:
$7A14DB3D
AC input
1 2 3 4
Switch as group:
L1
L2
L3
1
1
1
Three phase
System check:
OK

L1

VE Configure 3 '$7A15417C' (MultiPlus-II 48/5000/70-50 S/N: HQ2150NKFXH)

File Target Defaults Options Special Help

MultiPlus-II

Freq. Out	- - - Hz
UOut	1 V
IOut	0.0 A
Freq. In	50.1 Hz
UMains	232 V
IMains	0.0 A
Udc	52.4 V
Udc ripple	0.0 V
Idc	0 A
SoC	
Ignore AC	0
aux. relay	0

show VE.Bus monitor

Get settings

Send settings

Victron Energy

General | Grid | Inverter | Charger | Virtual switch | Assistants

System frequency

(•) 50Hz ( ) 60Hz

Shore limit

AC input current limit 16.0 A [x] Overruled by remote

[ ] Dynamic current limiter

[ ] External current sensor connected (see manual)

[x] Enable battery monitor

State of charge when Bulk finished 85.0 %

Battery capacity 780 Ah

Charge efficiency 1.00

VE Configure 3 '$7A15417C' (MultiPlus-II 48/5000/70-50 S/N: HQ2150NKFXH)

File Target Defaults Options Special Help

MultiPlus-II

Freq. Out	- - - Hz
UOut	1 V
IOut	0.0 A
Freq. In	50.1 Hz
UMains	232 V
IMains	0.0 A
Udc	52.3 V
Udc ripple	0.0 V
Idc	0 A
SoC	
Ignore AC	0
aux. relay	0

show VE.Bus monitor

Get settings

Send settings

Victron Energy

General | Grid | Inverter | Charger | Virtual switch | Assistants

Grid code selection | European grid code settings

Country / grid code standard

Europe: EN50549-1:2019

Show IP (NS) protection log

Loss Off Mains (LOM) detection

LOM detection AC input 1 Type B (grid code compliant)

Note: Click here for more info on LOM.

VE Configure 3 '$7A15417C' (MultiPlus-II 48/5000/70-50 S/N: HQ2150NKFXH)

File Target Defaults Options Special Help

MultiPlus-II

Freq. Out	- - - Hz
UOut	1 V
IOut	0.0 A
Freq. In	50.1 Hz
UMains	232 V
IMains	0.0 A
Udc	52.3 V
Udc ripple	0.0 V
Idc	0 A
SoC	
Ignore AC	0
aux. relay	0

show VE.Bus monitor

Get settings

Send settings

Victron Energy

General | Grid | Inverter | Charger | Virtual switch | Assistants

Inverter output voltage 230 V

Ground relay

PowerAssist

Assist current boost factor 2.0

DC input low shut-down 49.20 V

DC input low restart 50.20 V

DC input low pre-alarm 50.20 V

shut-down on SOC

SOC low shut-down 0.0 %

SOC low restart 0.0 %

Do not restart after short-circuit (VDE 2510-2 safety)

enable AES

Start AES when load lower than 92 W

Stop AES when load 46 W higher than start level

AES type

modified sine wave

search mode

1s

VE Configure 3 '$7A15417C' (MultiPlus-II 48/5000/70-50 S/N: HQ2150NKFXH)

File Target Defaults Options Special Help

MultiPlus-II

Freq. Out	- - - Hz
UOut	1 V
IOut	0.0 A
Freq. In	50.1 Hz
UMains	233 V
IMains	0.0 A
Udc	52.4 V
Udc ripple	0.0 V
Idc	0 A
SoC	
Ignore AC	0
aux. relay	0

show VE.Bus monitor

Get settings

Send settings

Victron Energy

General | Grid | Inverter | Charger | Virtual switch | Assistants

Enable charger

Weak AC input

Stop after excessive bulk

Lithium batteries

Storage mode

Use equalization (tubular plate traction battery curve)

Battery type:

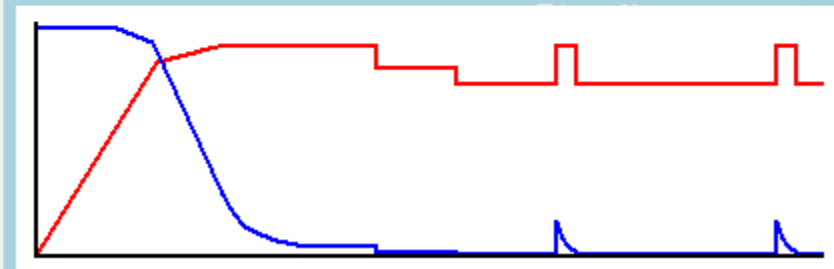
No corresponding default

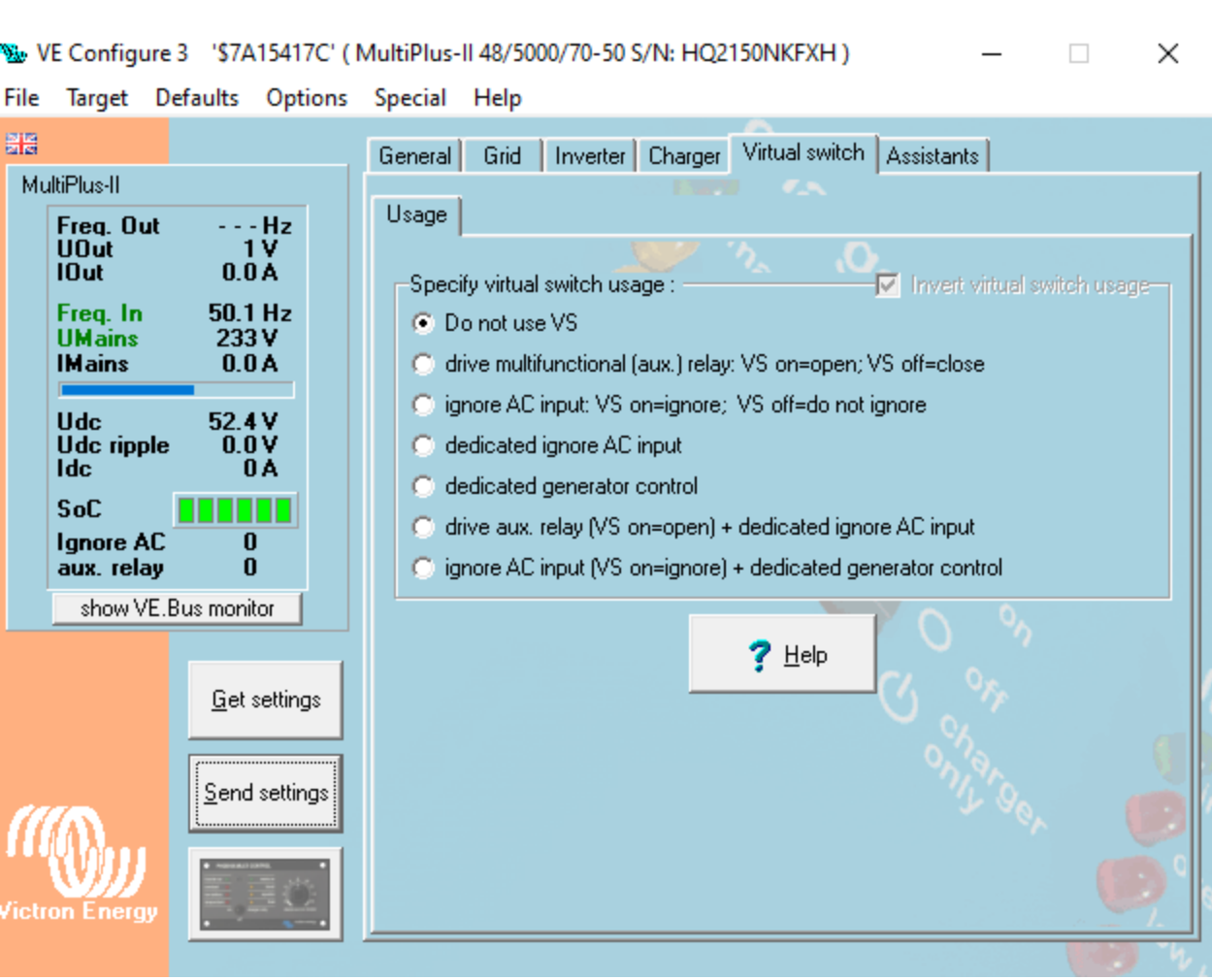
Disable VSense (for diagnostic purposes)

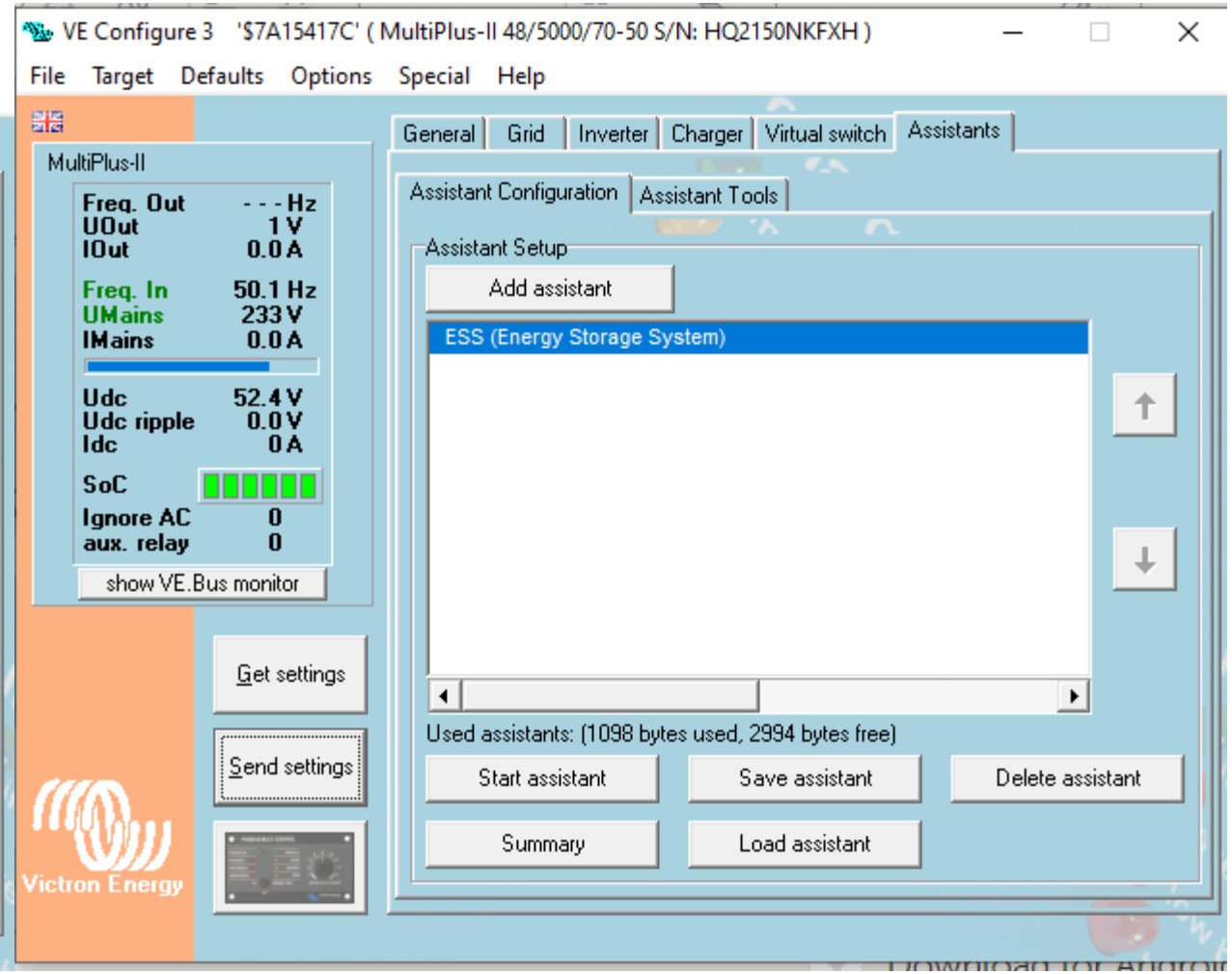
Charge curve Adaptive + BatterySafe

Absorption voltage	58.80	V	Repeated absorption time	1.00	Hr
Float voltage	54.00	V	Repeated absorption interval	7.00	Days
Charge current	26	A	Maximum absorption time	8	Hr

Temperature compensation -64.8 mV/deg (max abs. voltage 61.71V)




VE Configure 3 '$7A15417C' (MultiPlus-II 48/5000/70-50 S/N: HQ2150NKFXH)
File Target Defaults Options Special Help
MultiPlus-II
Freq. Out - - - Hz
UOut 1 V
IOut 0.0 A
Freq. In 50.1 Hz
UMains 233 V
IMains 0.0 A
Udc 52.4 V
Udc ripple 0.0 V
Idc 0 A
SoC
Ignore AC 0
aux. relay 0
show VE.Bus monitor
Get settings
Send settings
Victron Energy
General Grid Inverter Charger Virtual switch Assistants
Usage
Specify virtual switch usage :
Invert virtual switch usage
Do not use VS
drive multifunctional (aux.) relay: VS on=open; VS off=close
ignore AC input: VS on=ignore; VS off=do not ignore
dedicated ignore AC input
dedicated generator control
drive aux. relay (VS on=open) + dedicated ignore AC input
ignore AC input (VS on=ignore) + dedicated generator control
Help


VE Configure 3 '$7A15417C' (MultiPlus-II 48/5000/70-50 S/N: HQ2150NKFXH)
File Target Defaults Options Special Help
MultiPlus-II
Freq. Out - - - Hz
UOut 1 V
IOut 0.0 A
Freq. In 50.1 Hz
UMains 233 V
IMains 0.0 A
Udc 52.4 V
Udc ripple 0.0 V
Idc 0 A
SoC
Ignore AC 0
aux. relay 0
show VE.Bus monitor
Get settings
Send settings
Victron Energy
General Grid Inverter Charger Virtual switch Assistants
Assistant Configuration
Assistant Tools
Assistant Setup
Add assistant
ESS (Energy Storage System)
Used assistants: (1098 bytes used, 2994 bytes free)
Start assistant
Save assistant
Delete assistant
Summary
Load assistant

L2

VE Configure 3 '$7A16E9BF' (MultiPlus-II 48/5000/70-50 S/N: HQ2204V33AN)

File Target Defaults Options Special Help

MultiPlus-II

Freq. Out	- - - Hz
UOut	0 V
IOut	0.0 A
Freq. In	50.1 Hz
UMains	231 V
IMains	0.0 A
Udc	52.6 V
Udc ripple	0.1 V
Idc	0 A
SoC	
Ignore AC	0
aux. relay	0

show VE.Bus monitor

Get settings

Send settings

Victron Energy

General | Grid | Inverter | Charger | Virtual switch | Assistants

System frequency

50Hz 60Hz

Shore limit

AC input current limit 16.0 A Overruled by remote

Dynamic current limiter

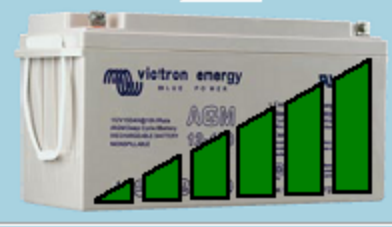
External current sensor connected (see manual)

Enable battery monitor

State of charge when Bulk finished 85.0 %

Battery capacity 780 Ah

Charge efficiency 1.00



VE Configure 3 '$7A16E9BF' (MultiPlus-II 48/5000/70-50 S/N: HQ2204V33AN)

File Target Defaults Options Special Help

MultiPlus-II

Freq. Out	- - - Hz
UOut	0 V
IOut	0.0 A
Freq. In	50.1 Hz
UMains	232 V
IMains	0.0 A
Udc	52.5 V
Udc ripple	0.0 V
Idc	0 A
SoC	
Ignore AC	0
aux. relay	0

show VE.Bus monitor

Get settings

Send settings

Victron Energy

General | Grid | Inverter | Charger | Virtual switch | Assistants

Grid code selection | European grid code settings

Country / grid code standard

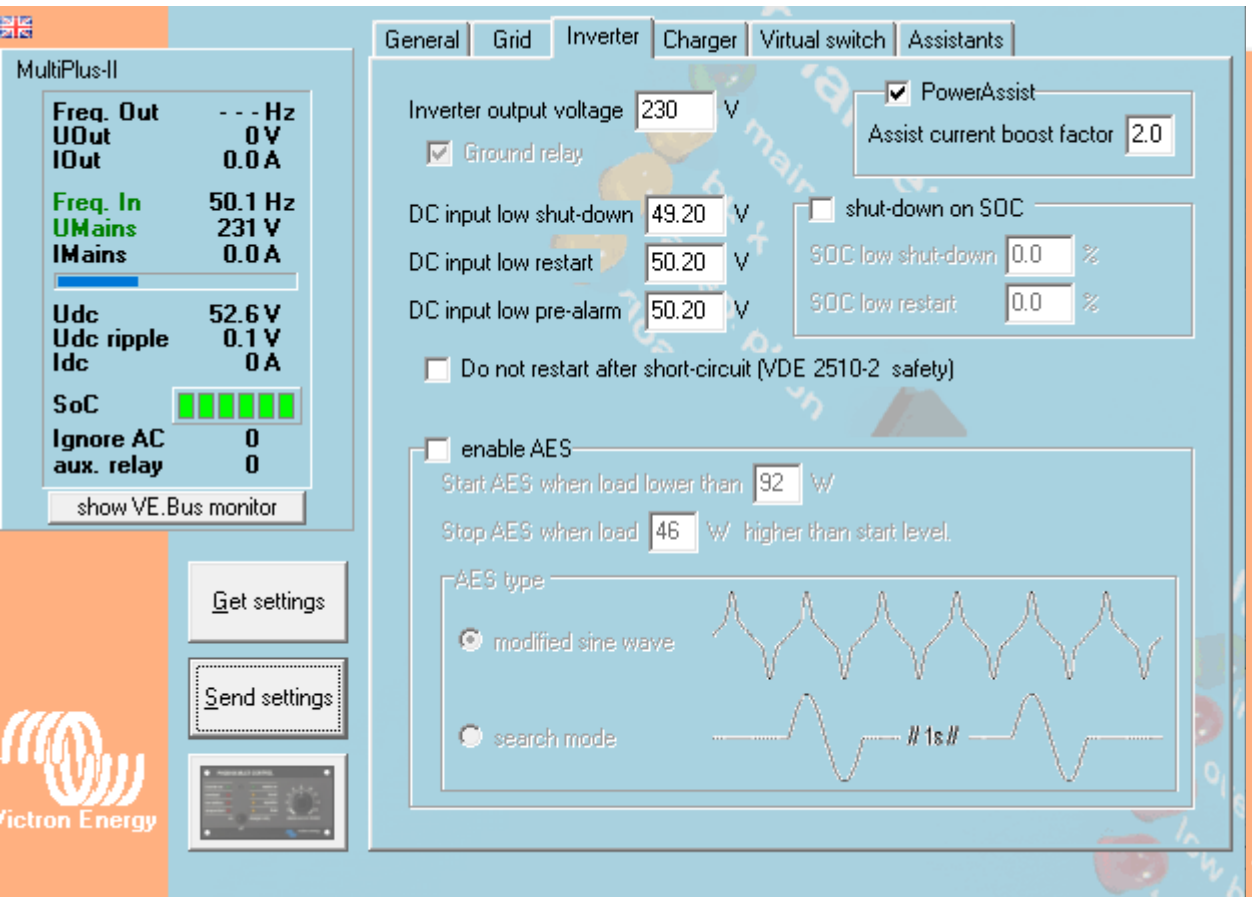
Europe: EN50549-1:2019

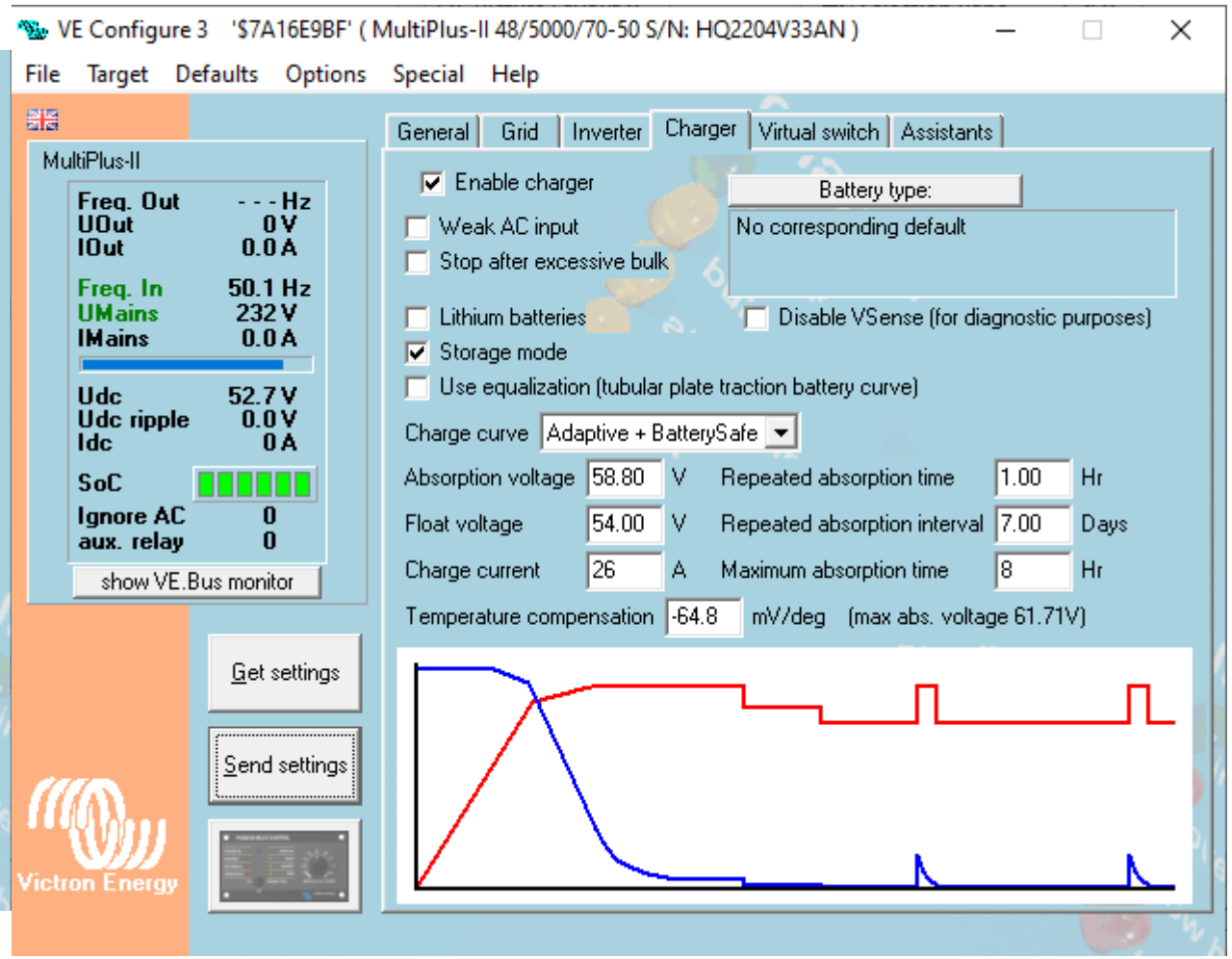
Show IP (NS) protection log

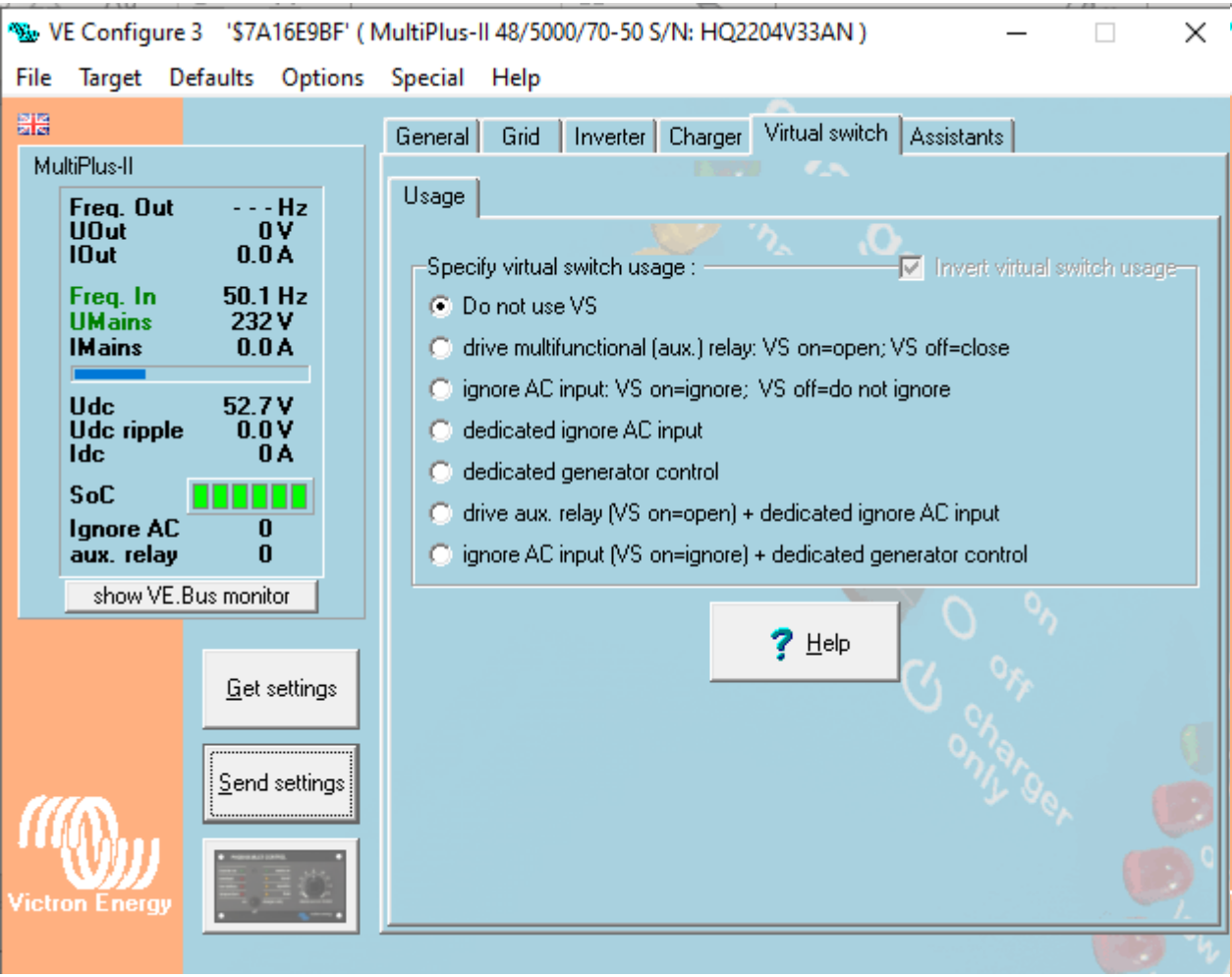
Loss Off Mains (LOM) detection

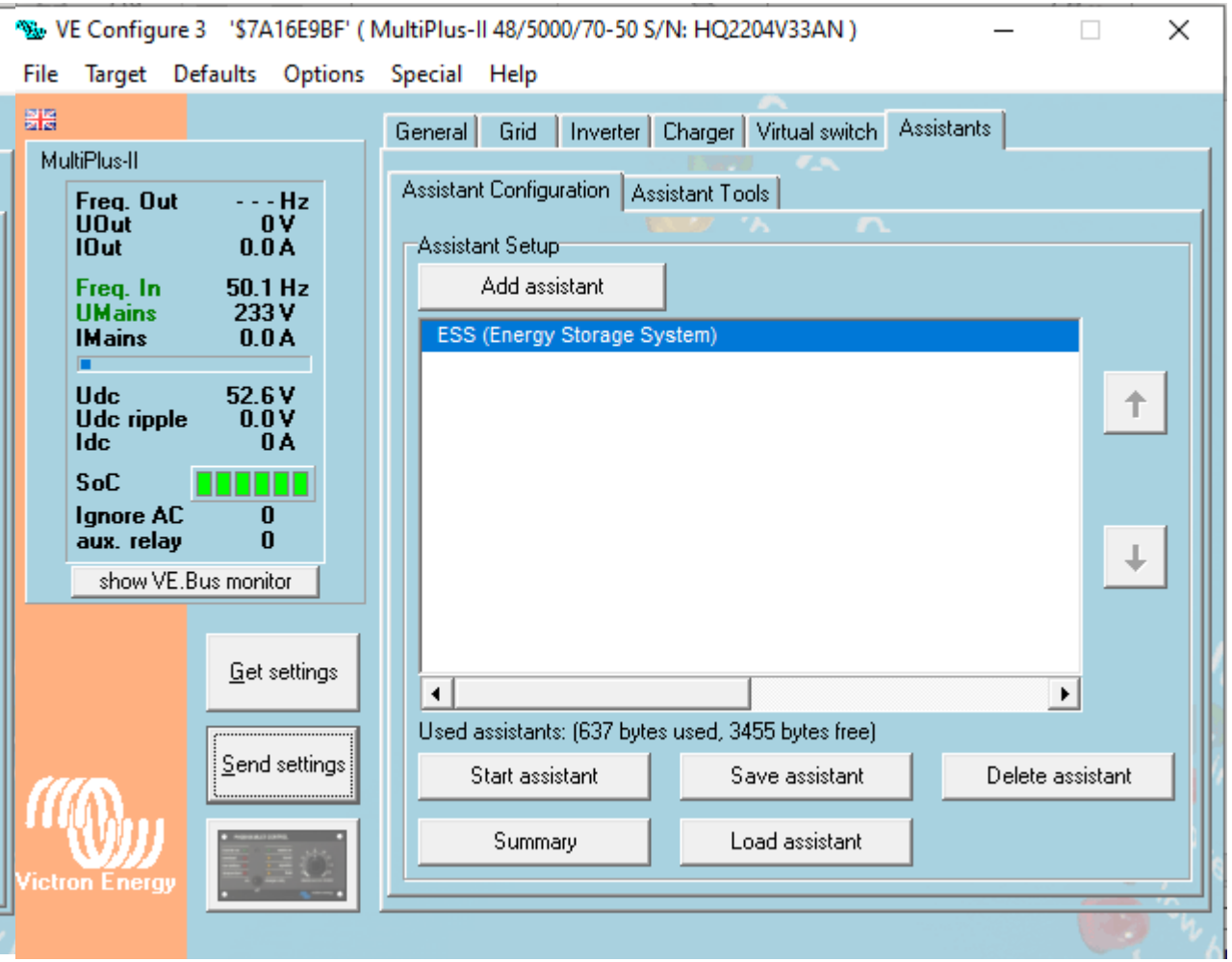
LOM detection AC input 1 Type B (grid code compliant)

Note: Click here for more info on LOM.


MultiPlus-II
Freq. Out - - - Hz
UOut 0 V
IOut 0.0 A
Freq. In 50.1 Hz
UMains 231 V
IMains 0.0 A
Udc 52.6 V
Udc ripple 0.1 V
Idc 0 A
SoC
Ignore AC 0
aux. relay 0
show VE.Bus monitor
Get settings
Send settings
Victron Energy
General
Grid
Inverter
Charger
Virtual switch
Assistants
Inverter output voltage 230 V
Ground relay
PowerAssist
Assist current boost factor 2.0
DC input low shut-down 49.20 V
DC input low restart 50.20 V
DC input low pre-alarm 50.20 V
shut-down on SOC
SOC low shut-down 0.0 %
SOC low restart 0.0 %
Do not restart after short-circuit (VDE 2510-2 safety)
enable AES
Start AES when load lower than 92 W
Stop AES when load 46 W higher than start level.
AES type
modified sine wave
search mode
1s


VE Configure 3 '$7A16E9BF' (MultiPlus-II 48/5000/70-50 S/N: HQ2204V33AN)
File Target Defaults Options Special Help
MultiPlus-II
Freq. Out - - - Hz
UOut 0 V
IOut 0.0 A
Freq. In 50.1 Hz
UMains 232 V
IMains 0.0 A
Udc 52.7 V
Udc ripple 0.0 V
Idc 0 A
SoC
Ignore AC 0
aux. relay 0
show VE.Bus monitor
Get settings
Send settings
Victron Energy
General
Grid
Inverter
Charger
Virtual switch
Assistants
Enable charger
Battery type:
No corresponding default
Weak AC input
Stop after excessive bulk
Lithium batteries
Disable VSense (for diagnostic purposes)
Storage mode
Use equalization (tubular plate traction battery curve)
Charge curve Adaptive + BatterySafe
Absorption voltage 58.80 V
Repeated absorption time 1.00 Hr
Float voltage 54.00 V
Repeated absorption interval 7.00 Days
Charge current 26 A
Maximum absorption time 8 Hr
Temperature compensation -64.8 mV/deg (max abs. voltage 61.71V)


VE Configure 3 '$7A16E9BF' (MultiPlus-II 48/5000/70-50 S/N: HQ2204V33AN)
File Target Defaults Options Special Help
MultiPlus-II
Freq. Out - - - Hz
UOut 0 V
IOut 0.0 A
Freq. In 50.1 Hz
UMains 232 V
IMains 0.0 A
Udc 52.7 V
Udc ripple 0.0 V
Idc 0 A
SoC
Ignore AC 0
aux. relay 0
show VE.Bus monitor
Get settings
Send settings
Victron Energy
General Grid Inverter Charger Virtual switch Assistants
Usage
Specify virtual switch usage :
Invert virtual switch usage
Do not use VS
drive multifunctional (aux.) relay: VS on=open; VS off=close
ignore AC input: VS on=ignore; VS off=do not ignore
dedicated ignore AC input
dedicated generator control
drive aux. relay (VS on=open) + dedicated ignore AC input
ignore AC input (VS on=ignore) + dedicated generator control
Help


VE Configure 3 '$7A16E9BF' (MultiPlus-II 48/5000/70-50 S/N: HQ2204V33AN)
File Target Defaults Options Special Help
MultiPlus-II
Freq. Out - - - Hz
UOut 0 V
IOut 0.0 A
Freq. In 50.1 Hz
UMains 233 V
IMains 0.0 A
Udc 52.6 V
Udc ripple 0.0 V
Idc 0 A
SoC
Ignore AC 0
aux. relay 0
show VE.Bus monitor
Get settings
Send settings
Victron Energy
General Grid Inverter Charger Virtual switch Assistants
Assistant Configuration
Assistant Tools
Assistant Setup
Add assistant
ESS (Energy Storage System)
Used assistants: (637 bytes used, 3455 bytes free)
Start assistant
Save assistant
Delete assistant
Summary
Load assistant

L2

VE Configure 3 '$7A14DB3D' (MultiPlus-II 48/5000/70-50 S/N: HQ2146YHJ9J)

File Target Defaults Options Special Help

MultiPlus-II

Freq. Out	- - - Hz
UOut	4 V
IOut	0.0 A
Freq. In	50.1 Hz
UMains	231 V
IMains	0.0 A
Udc	52.5 V
Udc ripple	0.0 V
Idc	0 A
SoC	
Ignore AC	0
aux. relay	0

show VE.Bus monitor

Get settings

Send settings

Victron Energy

General | Grid | Inverter | Charger | Virtual switch | Assistants

System frequency: (•) 50Hz ( ) 60Hz

Shore limit

AC input current limit 16.0 A [x] Overruled by remote

[ ] Dynamic current limiter

[ ] External current sensor connected (see manual)

[x] Enable battery monitor

State of charge when Bulk finished 85.0 %

Battery capacity 780 Ah

Charge efficiency 1.00

VE Configure 3 '$7A14DB3D' (MultiPlus-II 48/5000/70-50 S/N: HQ2146YHJ9J)

File Target Defaults Options Special Help

MultiPlus-II

Freq. Out	- - - Hz
UOut	4 V
IOut	0.0 A
Freq. In	50.1 Hz
UMains	232 V
IMains	0.0 A
Udc	52.6 V
Udc ripple	0.1 V
Idc	0 A
SoC	
Ignore AC	0
aux. relay	0

show VE.Bus monitor

Get settings

Send settings

Victron Energy

General | Grid | Inverter | Charger | Virtual switch | Assistants

Grid code selection | European grid code settings

Country / grid code standard

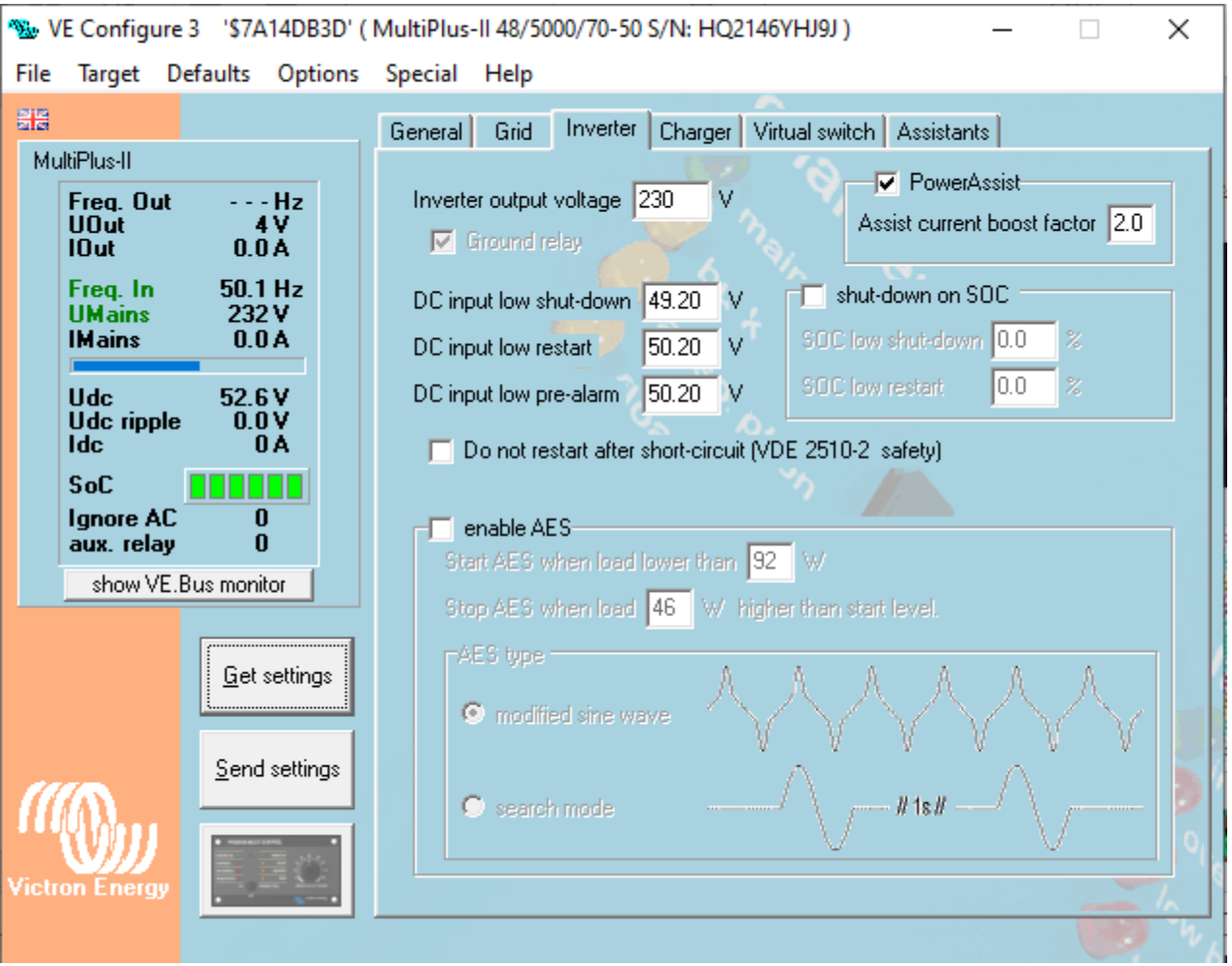
Europe: EN50549-1:2019

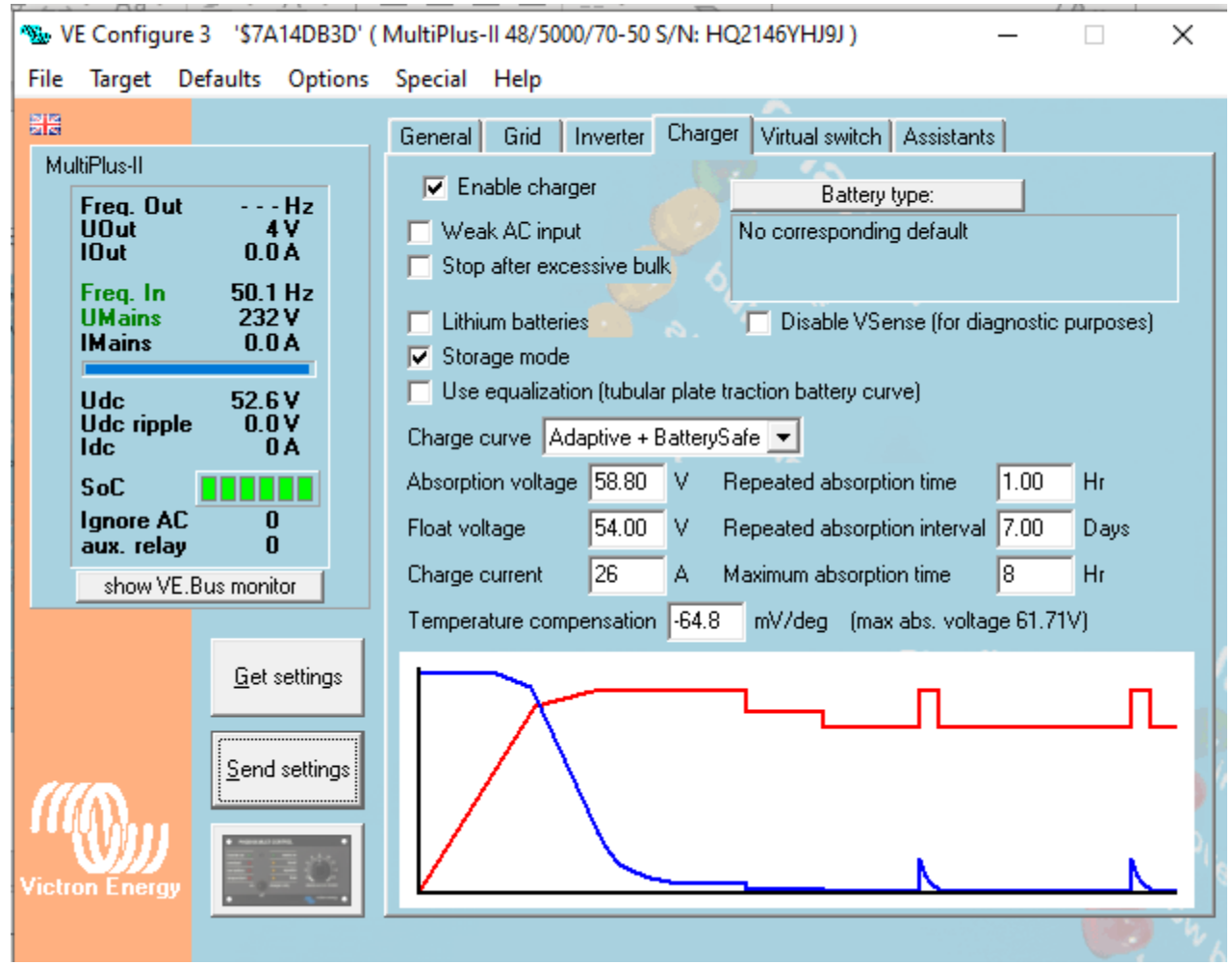
Show IP (NS) protection log

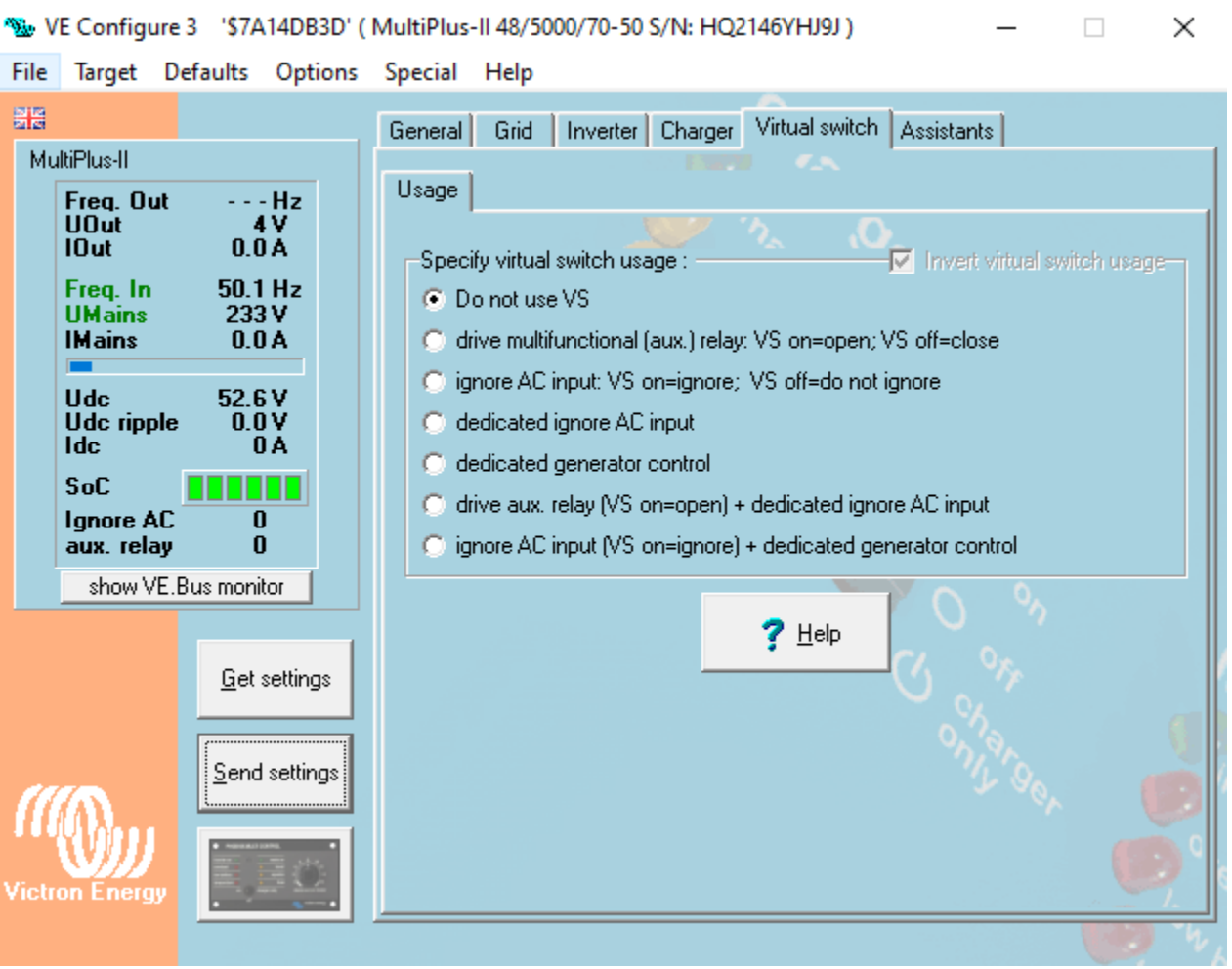
Loss Off Mains (LOM) detection

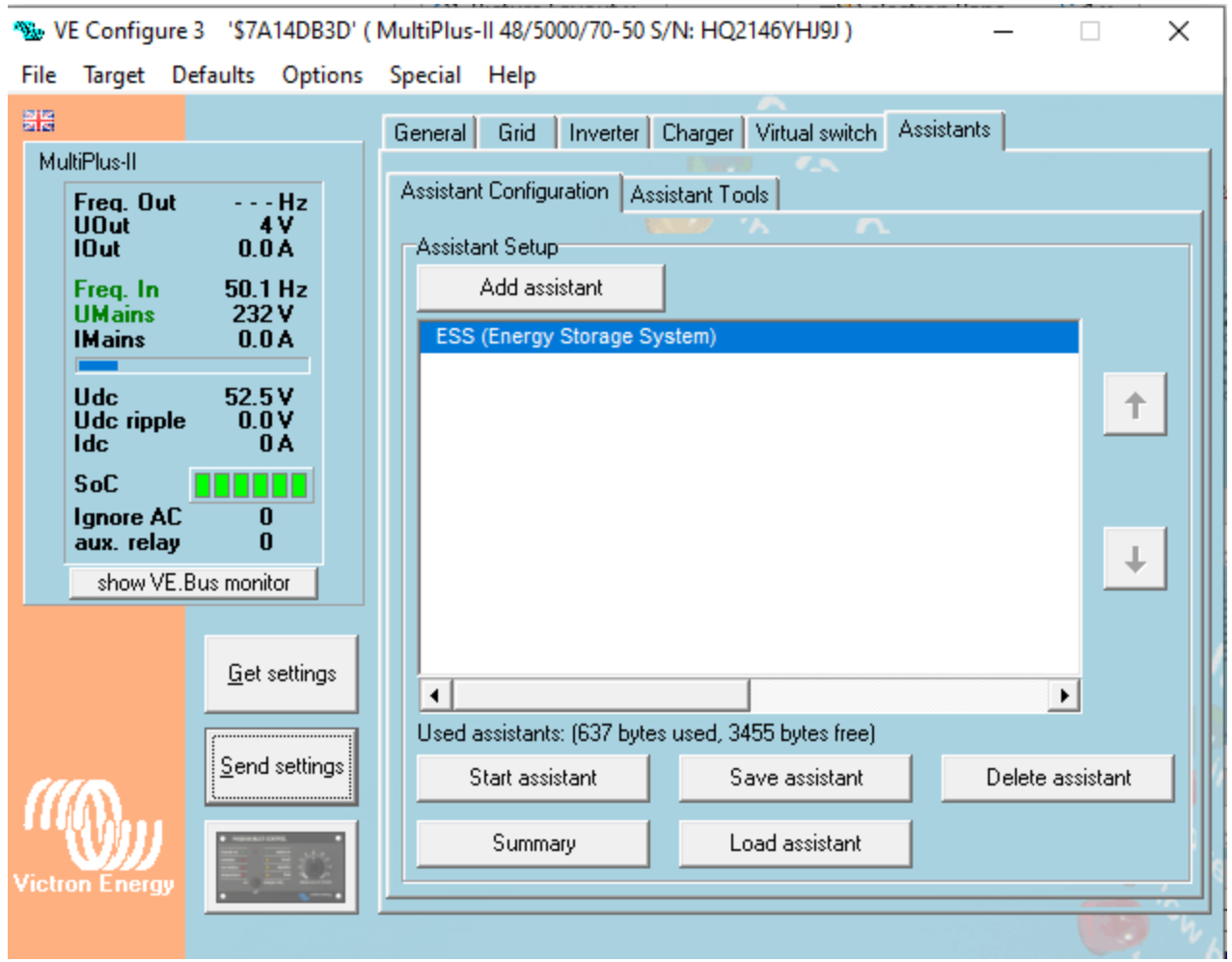
LOM detection AC input 1: Type B (grid code compliant)

Note: Click here for more info on LOM.


VE Configure 3 '$7A14DB3D' (MultiPlus-II 48/5000/70-50 S/N: HQ2146YHJ9J)
File Target Defaults Options Special Help
MultiPlus-II
Freq. Out - - - Hz
UOut 4 V
IOut 0.0 A
Freq. In 50.1 Hz
UMains 232 V
IMains 0.0 A
Udc 52.6 V
Udc ripple 0.0 V
Idc 0 A
SoC
Ignore AC 0
aux. relay 0
show VE.Bus monitor
General Grid Inverter Charger Virtual switch Assistants
Inverter output voltage 230 V
Ground relay
PowerAssist
Assist current boost factor 2.0
DC input low shut-down 49.20 V
DC input low restart 50.20 V
DC input low pre-alarm 50.20 V
shut-down on SOC
SOC low shut-down 0.0 %
SOC low restart 0.0 %
Do not restart after short-circuit (VDE 2510-2 safety)
enable AES
Start AES when load lower than 92 W
Stop AES when load 46 W higher than start level.
AES type
modified sine wave
search mode
1s
Get settings
Send settings
Victron Energy


VE Configure 3 '$7A14DB3D' (MultiPlus-II 48/5000/70-50 S/N: HQ2146YHJ9J)
File Target Defaults Options Special Help
MultiPlus-II
Freq. Out - - - Hz
UOut 4 V
IOut 0.0 A
Freq. In 50.1 Hz
UMains 232 V
IMains 0.0 A
Udc 52.6 V
Udc ripple 0.0 V
Idc 0 A
SoC
Ignore AC 0
aux. relay 0
show VE.Bus monitor
General Grid Inverter Charger Virtual switch Assistants
Enable charger
Battery type:
No corresponding default
Weak AC input
Stop after excessive bulk
Lithium batteries
Disable VSense (for diagnostic purposes)
Storage mode
Use equalization (tubular plate traction battery curve)
Charge curve Adaptive + BatterySafe
Absorption voltage 58.80 V
Repeated absorption time 1.00 Hr
Float voltage 54.00 V
Repeated absorption interval 7.00 Days
Charge current 26 A
Maximum absorption time 8 Hr
Temperature compensation -64.8 mV/deg (max abs. voltage 61.71V)
Get settings
Send settings
Victron Energy


VE Configure 3 '$7A14DB3D' (MultiPlus-II 48/5000/70-50 S/N: HQ2146YHJ9J)
File Target Defaults Options Special Help
MultiPlus-II
Freq. Out - - - Hz
UOut 4 V
IOut 0.0 A
Freq. In 50.1 Hz
UMains 233 V
IMains 0.0 A
Udc 52.6 V
Udc ripple 0.0 V
Idc 0 A
SoC
Ignore AC 0
aux. relay 0
show VE.Bus monitor
Get settings
Send settings
Victron Energy
General Grid Inverter Charger Virtual switch Assistants
Usage
Specify virtual switch usage :
Invert virtual switch usage
Do not use VS
drive multifunctional (aux.) relay: VS on=open; VS off=close
ignore AC input: VS on=ignore; VS off=do not ignore
dedicated ignore AC input
dedicated generator control
drive aux. relay (VS on=open) + dedicated ignore AC input
ignore AC input (VS on=ignore) + dedicated generator control
Help


VE Configure 3 '$7A14DB3D' (MultiPlus-II 48/5000/70-50 S/N: HQ2146YHJ9J)
File Target Defaults Options Special Help
MultiPlus-II
Freq. Out - - - Hz
UOut 4 V
IOut 0.0 A
Freq. In 50.1 Hz
UMains 232 V
IMains 0.0 A
Udc 52.5 V
Udc ripple 0.0 V
Idc 0 A
SoC
Ignore AC 0
aux. relay 0
show VE.Bus monitor
Get settings
Send settings
Victron Energy
General Grid Inverter Charger Virtual switch Assistants
Assistant Configuration
Assistant Tools
Assistant Setup
Add assistant
ESS (Energy Storage System)
Used assistants: (637 bytes used, 3455 bytes free)
Start assistant
Save assistant
Delete assistant
Summary
Load assistant