Panel 1 (General tab)

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

System frequency
- ⦿ 50Hz
- ○ 60Hz

Shore limit
AC input current limit [3.0] A ☑ Overruled by remote

☑ Dynamic current limiter

Battery monitor
State of charge when Bulk finished [85.0] %
Battery capacity [200] Ah

Panel 2 (Grid tab)

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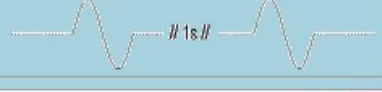
Grid code selection

Transfer switch
☑ Accept wide input frequency range (45-65 Hz)
AC low disconnect [180] V   AC high connect [265] V
AC low connect [187] V   AC high disconnect [270] V
☐ UPS function

Panel 3 (Inverter tab)

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

Inverter output voltage [230] V   ☑ PowerAssist
☑ Ground relay   Assist current boost factor [2.0]

DC input low shut-down [9.30] V
DC input low restart [10.90] V
DC input low pre-alarm [10.90] V

☐ enable AES
Start AES when load lower than [39] W
Stop AES when load [58] W higher than start level.
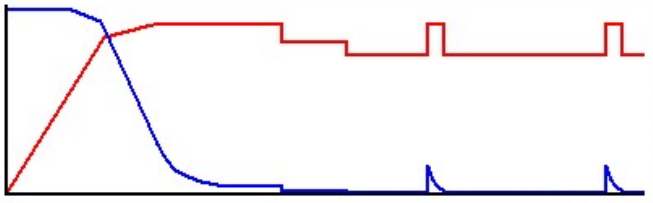
AES type
- ○ modified sine wave
- ⦿ search mode   // 1s //

Panel 4 (Charger tab)

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

☑ Enable charger   Battery type:
☑ Weak AC input
☑ Stop after excessive bulk   Gel/AGM, Victron Energy, Gel Exide A200

☑ Storage mode
☐ Use equalization (tubular plate traction battery curve)
Charge curve [Adaptive + BatterySafe ▼]
Absorption voltage [14.40] V   Repeated absorption time [1.00] Hr
Float voltage [13.80] V   Repeated absorption interval [7.00] Days
Charge current [52] A   Maximum absorption time [8] Hr

Panel 5 (Virtual switch - Usage)

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

Usage | A: Set VS ON | B: Set VS OFF | VS options

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]

Panel 6 (Virtual switch - A: Set VS ON)

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

Usage | A: Set VS ON | B: Set VS OFF | VS options

when load higher than [1348] W for [-1] seconds
when Udc lower than [11.75] V for [-1] seconds
when Udc higher than [16.00] V for [-1] seconds

when not charging for [-1] seconds
when fan on for [-1] seconds

☐ set VS on when bulk protection is activated
 (charger stopped after 10Hr bulk)
☐ set VS on when general system failure occurs

when the following LED alarms are active:
[Temperature pre-alarm ▼] for [1] seconds
[Low-battery pre-alarm ▼] for [1] seconds
[Overload pre-alarm ▼] for [1] seconds
[Udc ripple pre-alarm ▼] for [1] seconds

Usage | A: Set VS ON | B: Set VS OFF | VS options |

when load lower than   336   W for -1   seconds

when Udc lower than   11.75   V for -1   seconds

when Udc higher than   16.00   V for -1   seconds

when charging for -1   seconds

when fan off for -1   seconds

when bulk charge finished for -1   minutes

when no VS ON condition for 0   minutes

when no AC input for -1   seconds

when the following LED alarms are IN-active:

Temperature pre-alarm   for -1   seconds

Low-battery pre-alarm   for -1   seconds

Overload pre-alarm   for -1   seconds

Udc ripple pre-alarm   for -1   seconds

Usage | A: Set VS ON | B: Set VS OFF | VS options |

(For virtual switch inversion see Usage page!)

Do not switch off within 0   minutes from switch on.

Important Note: VS conditions on page B with a delay of 0 ignore this setting!

☐ Change inverter period time when virtual switch is on

☐ Change inverter period time on Udc

Make period time 19.8016 ms (= 50.50 Hz)

when Udc higher than 14.43 V for 2   seconds

Make period time 20.000 ms (=50Hz) again

when Udc lower than 13.50 V for 2   seconds

Note: Udc is temperature compensated in these conditions!