Panel 1 — General tab

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

System frequency
- ● 50Hz
- ○ 60Hz

Shore limit
AC input current limit 25.0 A   ☑ Overruled by remote

- ☐ Dynamic current limiter
- ☐ External current sensor connected (see manual)

☑ Enable battery monitor
- State of charge when Bulk finished 95.0 %
- Battery capacity 280 Ah
- Charge efficiency 0.95

Panel 2 — Grid / Grid code selection

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

Grid code selection | VDE grid code settings

Country / grid code standard
Germany: VDE-AR-N 4105:2018-11, internal NS protection ▼

[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.

Panel 3 — Grid / VDE grid code settings

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

Grid code selection | VDE grid code settings

Protection function		Trip setting	Trip delay
under voltage	U <	184 V	> 3s
over voltage	U >>	264.5 V	< 100ms
under freq.	f <	47.5 Hz	< 100ms
over freq.	f >	51.5 Hz	< 100ms
Reconnection time			> 60 s

Over voltage U> (10 min. running mean) 253.0 V

Start frequency for P(f>) function 50.20 Hz

Droop f> 5.00 %

Use Aux1 as disable FeedIn signal ☑

Max AC current 100.0 % of INom

Reactive power

Panel 4 — 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 40.00 V   ☐ shut-down on SOC
DC input low restart 43.20 V   SOC low shut-down 0.0 %
DC input low pre-alarm 43.20 V   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 //

Panel 5 — Charger tab
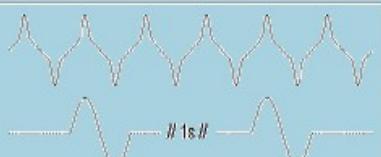
General | Grid | Inverter | Charger | Virtual switch | Assistants

☑ Enable charger   [Battery type:]
☐ Weak AC input   Lithium Iron Phosphate (LiFePo4) batteries
☐ Stop after excessive bulk
☑ Lithium batteries

Charge curve Fixed ▼
Absorption voltage 56.80 V   Repeated absorption time 1.00 Hr
Float voltage 54.00 V   Repeated absorption interval 7.00 Days
Charge current 70 A   Absorption time 1 Hr

Panel 6 — Virtual switch tab
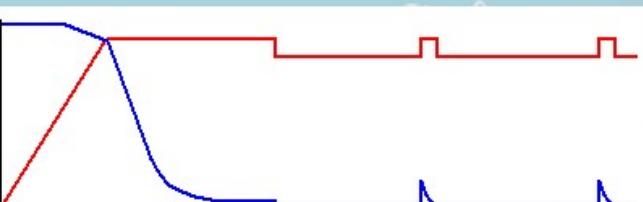
General | Grid | Inverter | Charger | Virtual switch | Assistants

Usage

Specify virtual switch usage :   ☐ Invert virtual switch usage
- ● Do not use VS
- ○ drive multifunctional (aux.) relay: VS on=close; VS off=open
- ○ ignore AC input: VS on=do not ignore; VS off=ignore
- ○ dedicated ignore AC input
- ○ dedicated generator control
- ○ drive aux. relay (VS on=close) + dedicated ignore AC input
- ○ ignore AC input (VS on=do not ignore) + dedicated generator control

[? Help]

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

Assistant Configuration | Assistant Tools |

Assistant Setup

Add assistant

ESS (Energy Storage System)

↑

↓

Used assistants: (1014 bytes used, 3078 bytes free)

Start assistant | Save assistant | Delete assistant

Summary | Load assistant