

EG4 18kPV Self-consumption Settings Guide

The screenshot shows the 'Basic' settings tab. On the left is a sidebar with buttons: Basic (selected), Charge, Discharge, Advanced, Debug, and Device info. The main area contains: 'Standby:' with a 'Restart inverter' button and a 'Reset' button; 'Export to Grid' with a 'Max Export to Grid(kW)' input field and a 'Set' button; and 'Zero Export'.

- Zero export: ✓
- Max Export to Grid(kW): 0

The screenshot shows the 'Charge' settings tab. The sidebar is the same. The main area contains: 'Operating Mode' with 'Use SOC %' and 'Use Bat V' options and a 'Set' button; 'Bat charge current limit(A)' input field; 'AC charge' with 'According to SOC/Volt' option and a 'Set' button; 'AC charge power(kW)' input field; 'Start AC charge SOC(%)' input field; 'Time 1' input field; 'Start AC charge Volt (V)' input field; 'Time 2' input field; 'Stop AC charge SOC(%)' input field; 'Time 3' input field; and 'Stop AC charge Volt (V)' input field.

- Use SOC %: ✓ (User preference)
- Use Bat V: ✓ (User preference)
- Bat charge current limit(A): 250a Max
- According to SOC/Volt: ✓
- AC charge power (kW): 12kW Max
- Start AC charge SOC(%): 0-90%
- Start AC charge Volt(V): 40-52v
- Stop AC charge SOC(%): 0-100%
- Stop AC charge Volt(V): 48-59v

The screenshot shows the 'Discharge' settings tab. The sidebar is the same. The main area contains: 'Charge first(PV)' with a 'Set' button; 'Time 1' input field; 'Charge first power(kW)' input field; 'Time 2' input field; 'Stop charge first SOC(%)' input field; 'Time 3' input field; 'Stop charge first Volt(V)' input field; 'Lead-acid' section with 'Absorb voltage(V)' input field; 'Float voltage(V)' input field; 'Start derate Volt(V)' input field; and a 'Set' button.

- Charge first power(kW): 12kW Max
- Stop charge first SOC(%): 0-100%
- Stop charge first Volt(V): 48-59v

If using Lead-acid batteries or Lithium Open-Loop change these settings

- Absorb voltage(V): Set to battery parameters
- Start derate Volt(V): Set to battery parameters
- Float voltage(V): Set to battery parameters

If using a generator change these settings

- Charge current limit(A): 250a Max
- Charge start Volt(V): 40-59v
- Charge end Volt(V): 40-59v
- Gen rated power(kW): Set to Generators specifications
- Charge start SOC(%): 0-90%
- Charge end SOC(%): 20-100%

- Use SOC %: ✓ (User preference)
- Use Bat V: ✓ (User preference)
- Discharge current limit(A): 250a Max
- On-grid Cut-off(%): 0-90%
- On-grid Cut-off(V): 40-59v
- Off-grid Cut-off(%): 0-90%
- Off-grid Cut-off(V): 40-52v

- PV input: Set to the inputs they are using
- Meter or CT: Set to whichever they are using
- Offgrid output: ✓
- Seamless switch: ✓
- PV Arc: ✓
- Run without grid: ✓

Basic

Grid type Grid Freq Set

Grid regulation Reconnect time(S)

HV1	<input type="text"/>	V	<input type="text"/>	S	HV2	<input type="text"/>	V	<input type="text"/>	S	HV3	<input type="text"/>	V	<input type="text"/>	S
LV1	<input type="text"/>	V	<input type="text"/>	S	LV2	<input type="text"/>	V	<input type="text"/>	S	LV3	<input type="text"/>	V	<input type="text"/>	S
HF1	<input type="text"/>	Hz	<input type="text"/>	S	HF2	<input type="text"/>	Hz	<input type="text"/>	S	HF3	<input type="text"/>	Hz	<input type="text"/>	S
LF1	<input type="text"/>	Hz	<input type="text"/>	S	LF2	<input type="text"/>	Hz	<input type="text"/>	S	LF3	<input type="text"/>	Hz	<input type="text"/>	S

Battery type Set

Lithium brand Lead capacity(Ah)

- Battery type: Choose the type of batteries
- Lithium brand: 0 for EG4
- Lead capacity(Ah): If Lead acid is selected change to banks Ah capacity

End User Web Monitoring Settings List

Application Setting

Power Backup (?)

Grid Sell Back Grid Sell Back Power(%) Set

Fast Zero Export

Charge Setting

System Charge Power Rate(%) Set

AC Charge

AC Charge Enable

AC Charge Power Rate(%) Set

AC Battery Charge Level(%) Set

AC Charge Start Time 1 : Set

AC Charge Start Time 2 : Set

AC Charge Start Time 3 : Set

AC Charge End Time 1 : Set

AC Charge End Time 2 : Set

AC Charge End Time 3 : Set

Charge First

Charge Priority (?)

Priority Charge Rate(%) Set

Priority Charge Level(%) (?) Set

Charge First Start Time 1 : Set

Charge First Start Time 2 : Set

Charge First Start Time 3 : Set

Charge First End Time 1 : Set

Charge First End Time 2 : Set

Charge First End Time 3 : Set

Discharge Setting

System Discharge Power Rate(%) (?) Set

On-Grid Cut-Off SOC(%) (?) Set

Off-Grid Cut-Off SOC(%) Set

Forced Discharge

Forced Discharge Enable

Forced Discharge Power Rate(%) Set

Stop Discharge SOC(%) Set

Forced Discharge Start Time 1 : Set

Forced Discharge Start Time 2 : Set

Forced Discharge Start Time 3 : Set

Forced Discharge End Time 1 : Set

Forced Discharge End Time 2 : Set

Forced Discharge End Time 3 : Set