§9 EEG (2025)

Configuration instructions for 60% feed-in limitation

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p1.9 Edition

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This document provides context and detailed information about the necessary configuration to comply with the 60% feed-in limitation required by §9 EEG (2025).

Since the inverter support is updated and extended frequently, check this document before installation/commissioning.

1. Change log

Version	Date	Change
p1.0	15.05.2025	First release
p1.1	04.06.2025	Update of the inverter list Update of the segment commissioning wizard: step Energy management Correction of wording and typos
p1.2	04.07.2025	Update of the inverter list
p1.3	09.07.2025	Note on monitoring-only/non-controllable PV-Inverters
p1.4	24.07.2025	Information on the Solax inverter updated
p1.5	29.07.2025	Update on FoxESS inverters Minor update on the configuration within XENON
p1.6	07.08.2025	Update of the SMA column in the inverter table
1.7	14.08.2025	Update of the IBC Solar column in the inverter table
1.8	08.09.2025	Inverter table update, links added, note for retro fit uses cases added
1.9	20.10.2025	DE version corrected

2. General context and relevance of §9 EEG

Each of the following criteria must be fulfilled to be relevant according to §9 EEG "Solar peak amendment" (Solarspitzengesetz):

- new PV installation in Germany and the installation date **after 24.2.2025**
- including PV installation with peak power **above 2 kW**

For such systems, the operator (homeowner) must make sure that the grid feed-in is limited to 60% of the peak power of the PV installation (PV module capacity) unless an SMGW + Steuerbox is installed and successfully tested for this household.

To comply with the requirements, you must make specific settings during commissioning:

- within the commissioning wizard or XENON
- within the configuration software of the inverter.

Step-by-step instructions about the configuration during commissioning and in XENON are described in the following chapter.

An overview of the different inverter models and the individual settings required can be found in the inverter list.

IMPORTANT

Please note: For inverters that the EMS cannot control, the 60% feed-in limitation must be configured manually and directly at the inverter or via the manufacturer's inverter software. The necessary instructions can be found in the respective manufacturer's installation and configuration documentation.

The relevant devices/models are marked with "***control = no***" in the list of supported devices (Supported assets list (SAL)). Please check regularly for updates. The configuration instructions provided below do not apply to these specific inverter models.

IMPORTANT

Currently, it is not possible to operate multiple inverters in systems that are relevant to § 9 EEG. This is currently only possible outside Germany or in retrofit use cases (provided that all inverters are not subject to §9 EEG).

3. Configuration within the commissioning wizard

This process applies if you install a **PV system** and must comply with **§9 of the German Renewable Energy Act (EEG)**.

Your system is **§9 EEG-relevant** if **both** of these conditions are true:

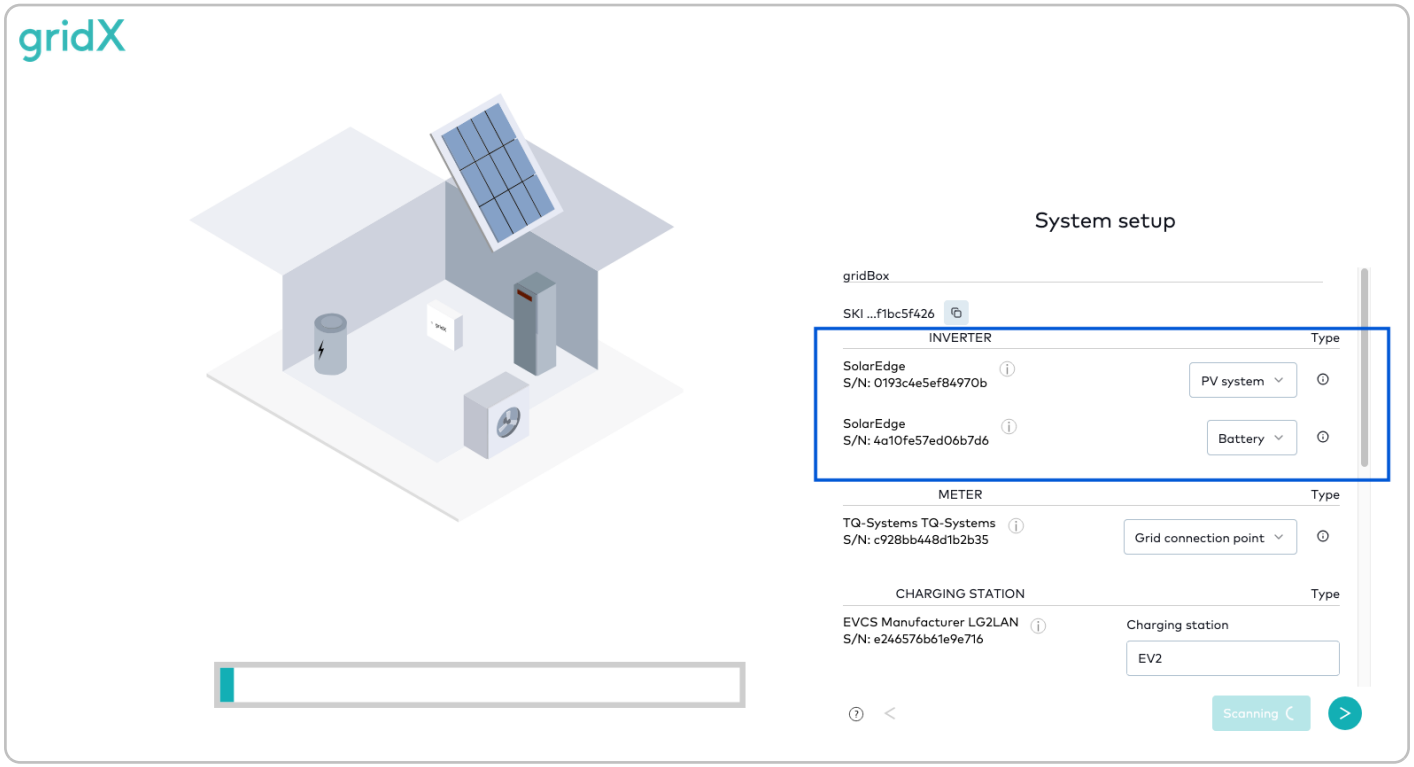
- PV module capacity is **above 2 kw**
- The installation date is **after February 24, 2025**

3.1. Commissioning wizard step: System setup

Note the manufacturer and model of

- **PV system** (with a PV inverter), or
- **PV + battery (all-in-one)** (a hybrid inverter).

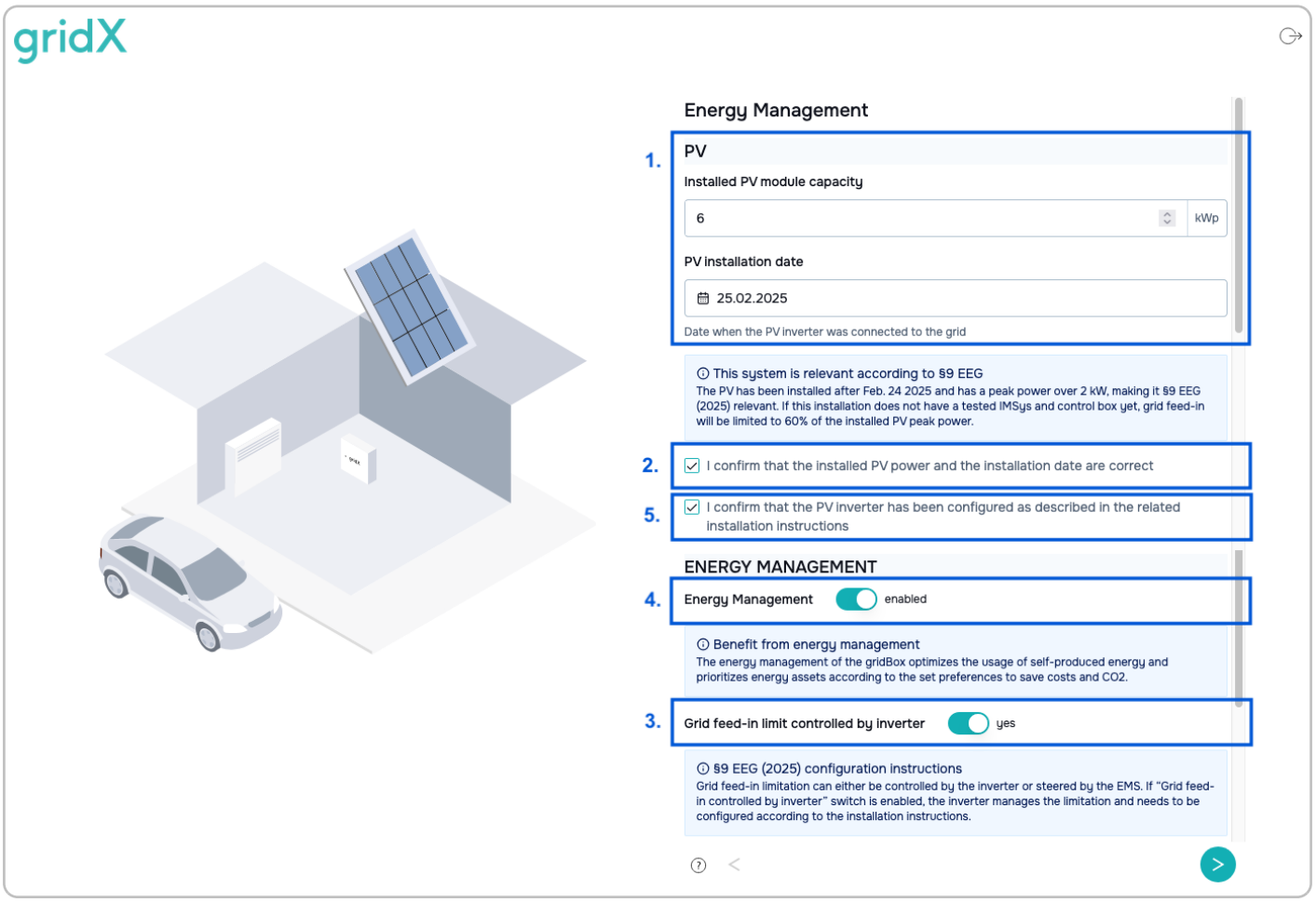
Figure 1. Inverter section within the System setup step



3.2. Commissioning wizard: Step ‘Energy management’

If the system is §9 EEG-relevant, do the following:

1. Enter the **PV power** and the **installation date**



and check the **inverter model** on the Section 5: "§9 EEG inverter list: Configuration within the software of the inverter".

2. Confirm the correct data about the size of the PV system and its installation date.

3. Set the slider **grid feed-in controlled by inverter** to **Yes**, if defined with **Yes** in the column 'grid feed-in controlled by inverter' in Section 5: "§9 EEG inverter list: Configuration within the software of the inverter".

- Check the column **configuration via OEM app/portal** if additional configuration of the inverter is needed, and carry out the **configuration steps** in the OEM portal/app for your inverter model as described in this column (Section 5: "§9 EEG inverter list: Configuration within the software of the inverter").
-

> **TIP**
>
> Consult the OEM documentation for details.

4. Activate or deactivate **energy management** depending on the information in the column **EMS configuration** in Section 5: "§9 EEG inverter list: Configuration within the software of the inverter".

5. Confirm the inverter configuration is according to the instructions.

Click **Next**, and the system is (internally) marked as **§9 EEG-relevant (eligible)**.

Continue with the remaining steps of the commissioning.

If a system **is not §9 EEG relevant** (for example, due to older systems with legal protection), confirm the PV power and installation date and continue with the remaining steps of the commissioning. In this case, the system is **not** marked as **§9 EEG-relevant (eligible)**.

4. Configuration within XENON

This process applies if you install a **PV system** and must comply with **§9 of the German Renewable Energy Act (EEG)**.

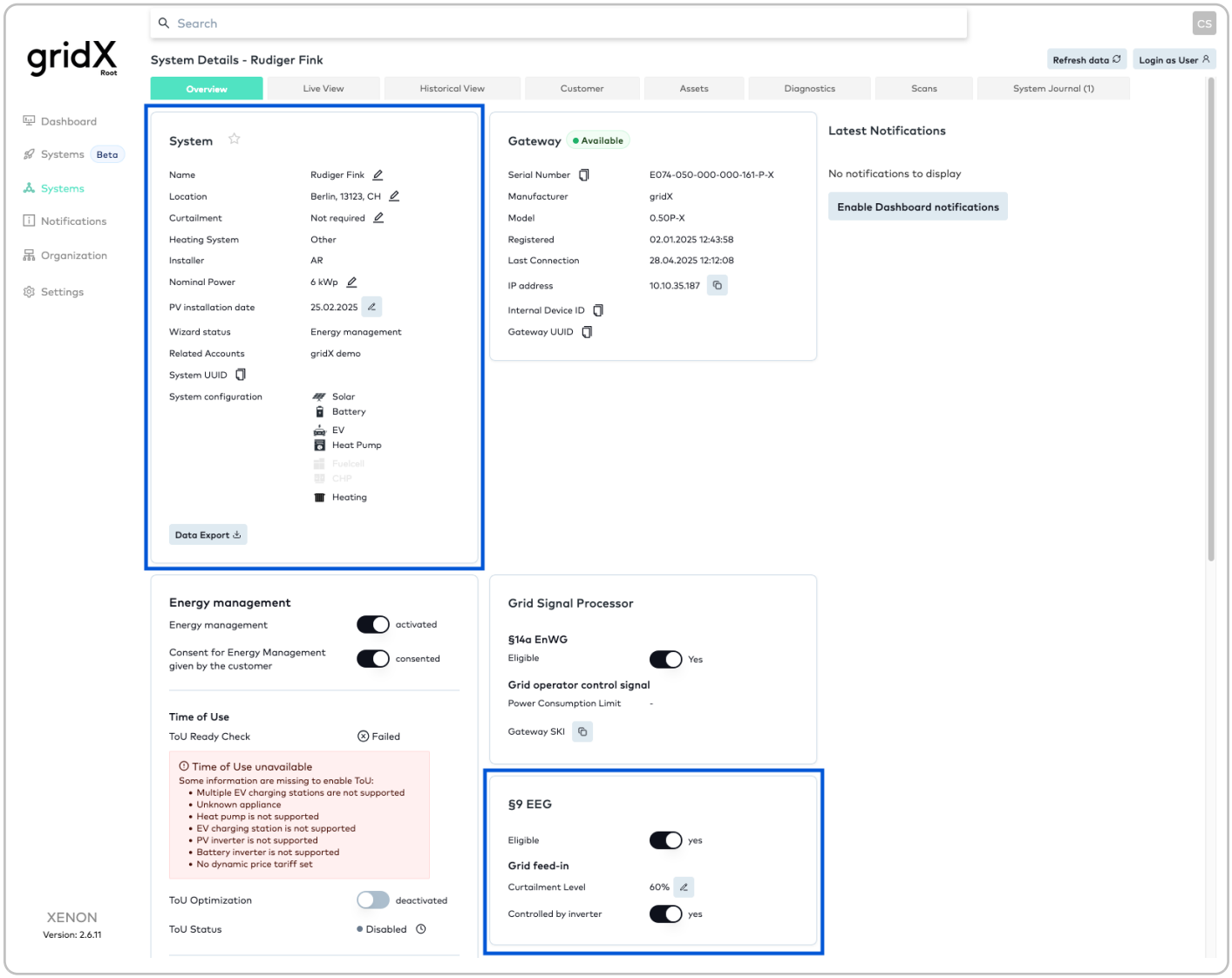
If the eligibility conditions are met

- Installed PV module capacity is **greater than 2 kW**

  and
- PV installation date is **after February 24, 2025**,

do the following in XENON on the **Overview** tab of a system:

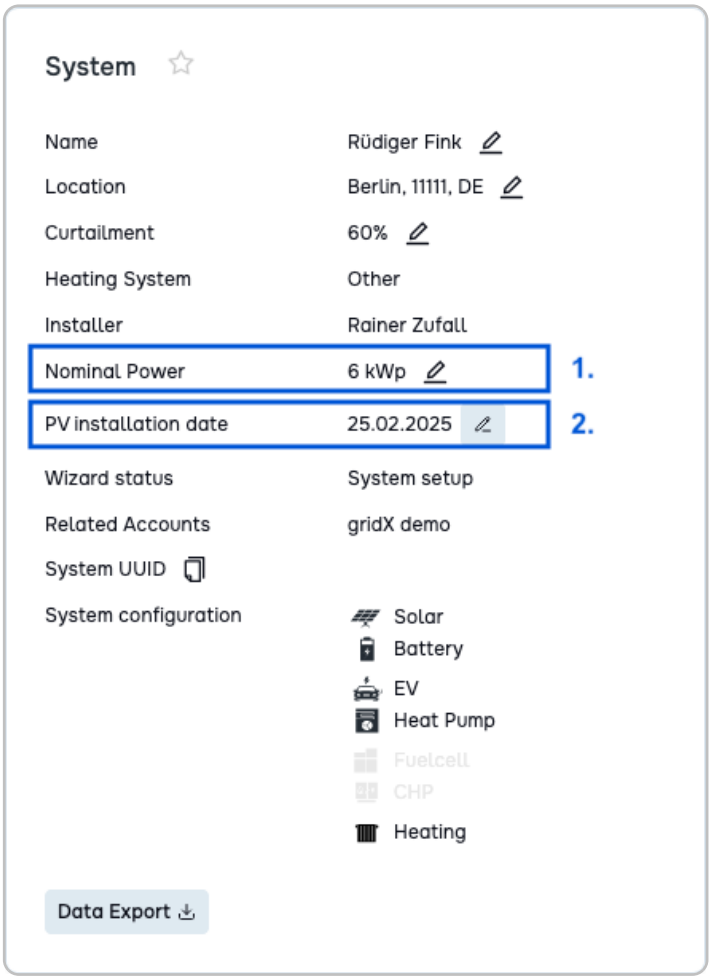
Figure 2. Overview tab in XENON



Within the **System** tile

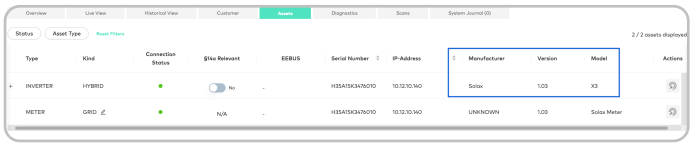
1. Set the **Nominal power** .

Figure 3. System tile



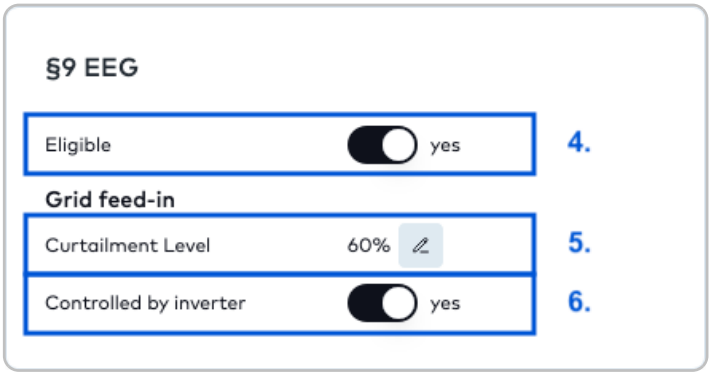
Memorize the inverter manufacturer and model in the asset tab and **check** the inverter model in the Section 5: “§9 EEG inverter list: Configuration within the software of the inverter”.

Figure 4. Asset tab



2. Set the **PV installation date**.
3. Navigate to the **§9 EEG** tile.
4. Set the **Eligibility** to **Yes**.

Figure 5. §9 EEG tile



5. Set **Curtailment level** to (fixed) **60%**.
6. Set **Controlled by inverter** to **Yes** or **No**, as specified in the column "Grid feed-in controlled by inverter" in Section 5: “§9 EEG inverter list: Configuration within the software of the inverter”.

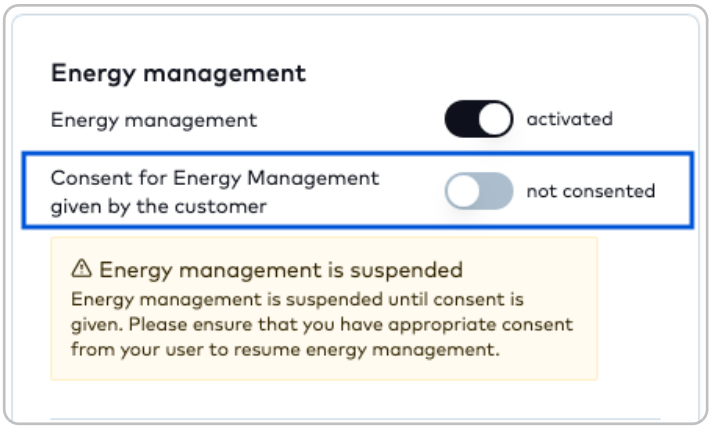
   Follow the **configuration steps** for the specific inverter model described in the column "Configuration via OEM app/portal" in Section 5: “§9 EEG inverter list: Configuration within the software of the inverter”.

> **TIP**
>
> Consult the OEM Documentation for the specific inverter.

7. Activate or deactivate **Energy management consent**, depending on the information in the column "EMS configuration" in Section 5: “§9 EEG inverter list: Configuration within the software of the inverter”.

   If the system is **not eligible** in terms of **§9 EEG** (for example, due to older systems with legal protection), set **§9 EEG eligible** to **No** and do not change any other settings.

Figure 6. Energy management consent



> **NOTE**
>
> In XENON, there are no logic links between the UI fields (unlike in the commissioning wizard). Therefore, the user must manually ensure the correct settings are applied.

5. §9 EEG inverter list: Configuration within the software of the inverter

The following table describes the configuration per inverter OEM/model to comply with §9 EEG.

Explanation of columns:

OEM: manufacturer of the inverter

Model: inverter model, model series, or multiple series (if settings are identical for mentioned series)

Solution type:

- **GCP limit:** system is limited by the inverter using the grid connection point as reference, gridBox EMS is steering all other controllable assets accordingly
- **PV limit**: System is controlled by the gridBox EMS limiting the PV output of the inverter (DC side)

EMS configuration: information on whether the gridX EMS should be activated or deactivated for this specific inverter model, use the parameter/toggle "constant for EMS by customer” for activation/deactivation

Grid feed-in controlled by inverter: defines if this configuration in XENON or Wizard should be set to **yes** or **no**

Configuration in OEM app/portal: short description of the parameter/configuration to be set for the specific inverter to enable §9 EEG related functionalities and comply with regulatory requirements.

Update: last date when the information of this row was updated

IMPORTANT

Contact your customer support if an inverter manufacturer, series or model is not mentioned in this list.

Table 1. §9 EEG inverter list

OEM	Model	Solution type (GCP limit / PV limit)	EMS configuration in XENON / commissioning wizard (activate/deactivate)	Grid feed-in controlled by inverter (yes/no)	Configuration via OEM app/portal	Update
Enphase	Envoy-S + IQ7, Envoy-S + IQ8	PV Limit	**Activate**	No	**Not needed** gridBox can directly control the inverter setting, if settings have been made during commissioning (Wizard) or configuration (XENON) according to the gridX instruction manual for §9 EEG. See Enphase Envoy-S hybrid inverter - Commissioning	04.09.2025
Sungrow	SHxxRT, SHxxT, SHxxRS	GCP Limit	**Activate**	Yes	**Not needed** gridBox can directly control the inverter setting, if settings have been made during commissioning (Wizard) or configuration (XENON) according to the gridX instruction manual for §9 EEG. See Sungrow hybrid inverter SHxxRT, SHxxRS, SHxxT - Commissioning	28.04.2025
FoxESS	H3-Smart, H3-Pro	GCP Limit	**Activate**	Yes	**Not needed** gridBox can directly control the inverter setting if settings have been made during commissioning (Wizard) or configuration (XENON) according to the gridX instruction manual for §9 EEG. See FoxESS H3 Smart and Pro hybrid inverter - Commissioning	28.04.2025
Kostal	Plenticore	GCP Limit	**Activate**	Yes	**Not needed** gridBox can directly control the inverter setting, if settings have been made during commissioning (Wizard) or configuration (XENON) according to the gridX instruction manual for §9 EEG See Kostal Plenticore Plus - Commissioning	30.04.2025
Fronius	Symo GEN 24	GCP Limit	**Activate**	Yes	Configuration see Fronius Symo GEN24 - Commissioning	28.04.2025
Solax		PV Limit	**Activate**	No	**Not needed** gridBox can directly control the inverter setting, if settings have been made during commissioning (Wizard) or configuration (XENON) according to the gridX instruction manual for §9 EEG. See SolaX X3 Hybrid G4 - Commissioning	24.07.2025
GoodWe		GCP Limit	**Activate**	Yes	**Not needed**	22.05.2025

OEM	Model	Solution type (GCP limit / PV limit)	EMS configuration in XENON / commissioning wizard (activate/deactivate)	Grid feed-in controlled by inverter (yes/no)	Configuration via OEM app/portal	Update
					gridBox can directly control the inverter setting, if settings have been made during commissioning (Wizard) or configuration (XENON) according to the gridX instruction manual for §9 EEG. See GoodWe ET PLUS+ series - Commissioning	
IBC Solar		GCP Limit	**Activate**	No	**Configuration**: Calculation of the resulting power limitation value = (Desired % of PV capacity × PV capacity in kWp) ÷ Inverter Nominal Power Configuration in the Solplanet app: Select relevant System > Dongle > Settings > configure parameter > E-meter > Export power limitation > activate export limitation > set % value calculated before and save changes	14.08.2025
SMA	Sunny Tripower Smart Energy	GCP Limit	**Activate**	Yes	Configuration see SMA Sunny Tripower Smart Energy - Commissioning	07.08.2025
SolarEdge	SExK, Sexxxx(H)	GCP Limit	Deactivate	Yes	Configuration see Solaredge SE with Ethernet - Commissioning	11.04.2025
Viessmann		GCP Limit	**Activate**	Yes	**Not needed** gridBox can directly control the inverter setting, if settings have been made during commissioning (Wizard) or configuration (XENON) according to the gridX instruction manual for §9 EEG.	13.06.2025

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