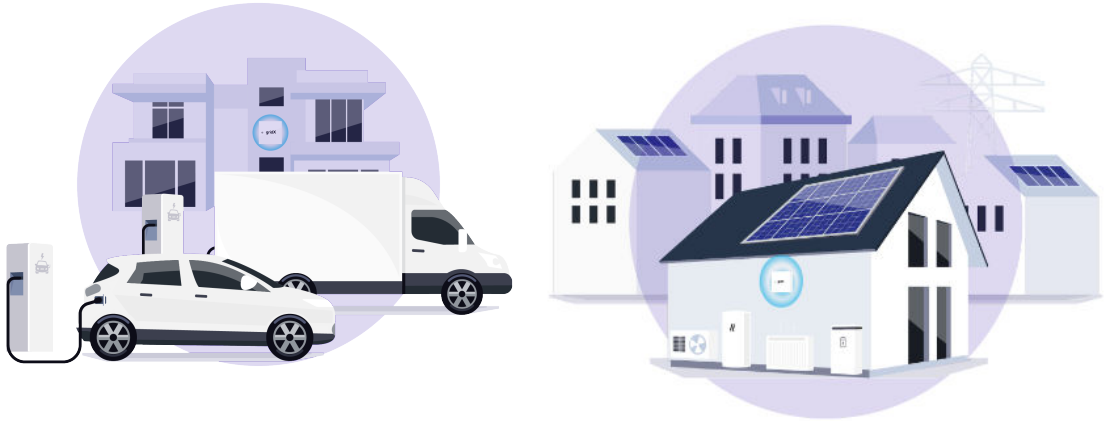

Supported assets list (SAL)

Table of Contents

1. Change log

Version	Changes
09.09.2025	Amendmends: Naming of iMSys Theben SE enhanced Alpitronic Hypercharger FW added

29.08.2025	Added:
	
	HVAC:
	
	• Bosch: CS 5800i AW , CS 6800i AW, CS 7001i AW, CS 7400i AW , CS 3400i AWS, CS 7800 LW
	• Buderus: WLW 176i, WLW 186i, WLW 196i, WLW 196i +, WLW 161i, WSW 196i
	• IVT: AirX 500, AirX 400, AirX 400S, AirSplit 300 , Geo 600
	
	SAL listing amended:
	
	• HVAC (before, we listed the gateway instead of the heat pump):
	  • Daikin: Altherma 3 H HT Altherma 3 H MT, Altherma 3 R MT, Altherma 3 R MT, Altherma 3 M, Altherma 4 EPSK 06/08/10/12/14A, Altherma 4 EPBX10/14A, Altherma 4 EPVX10/14A, Altherma 4 EPSX(B)10/14A
	  • Vaillant: aroTHERM pure, flexoTHERM/flexoCOMPACT, eloBLOCK, aroTHERM split, aroTHERM plus, recoCOMPACT, versoTHERM, aroTHERM split plus, geoTHERM 3 kW
	• Charging stations:
	  • Vestel: Now listing the specific models: AC Zenith (EVC04), AC Rhea (EVC04), AC Libra (EVC04); charging power: 7, 11, 22 kW
	  • Heidelberg: Protocol corrected
	• Inverter: Alpha ESS, Solax: Protocols corrected for some models

20.08.2025	Sungrow FW added
15.08.2025	Translation error corrected

07.08.2025	Added:
	
	• Charging station Mennekes AMTRON Compact 2.0S 22kW, AMTRON Compact 2.0S 7.4kW as alpha
	• Hybrid inverter SolaX as alpha: X3-ULT-15K, X3-ULT-15KP, X3-ULT-19.9K, X3-ULT-20K, X3-ULT-20KP, X3-ULT-25K, X3-ULT-30K
	
	Firmware updated:
	
	• Charging stations
	  • Mennekes AMTRON Compact 2.0S 11kW, AMTRON® 4You 510 11 C2, AMTRON® 4You 560 11 C2
	  • Vestel EVC04
	  • Wallbox Commander 2
	  • go-e HOMEfix / Gemini (Flex)
	• Hybrid inverter
	  • Enphase Envoy-S + IQ7, Envoy-S + IQ8
	  • Sungrow SHXRS
	  • Fronius Symo GEN24 complete series
	  • GivEnergy GIV-AC-3.0-G1
	
	Stage updated:
	
	• Charging stations Keba KeContact P30 - Green Edition, KeContact P30 - PV-Edition, KeContact P30 - Dienstwagen Wallbox, KeContact P30 - Refurbished Wallbox updated to beta
	• Hybrid inverter FroniusSymo GEN24 12.0 SC, Symo GEN24 12.0 Plus SC updated to beta

28.07.2025	Update on the definitions of maturity status
22.07.2025	Column ‘Plug & Play’ removed
16.06.2025	Column ‘R4GX’ removed

Version	Changes

08.07.2025	Removed: Carlo Gavazzi meter: VMU-E, VMU-X, EM340, ET112
	
	Added:
	
	• HVAC: my-PV AC ELWA 2 added as alpha
	• Hybrid inverter SolaX added as alpha:
	  • X1-HYBRID-3.0-D (G4)
	  • X1-HYBRID-3.7-D (G4)
	  • X1-HYBRID-5.0-D (G4)
	  • X1-HYBRID-6.0-D (G4)
	  • X1-HYBRID-7.5-D (G4)
	  • X1-IES-2.5K
	  • X1-IES-3K
	  • X1-IES-3.7K
	  • X1-IES-5K
	  • X1-IES-6K
	  • X1-IES-8K
	  • X3-IES-4K
	  • X3-IES-5K
	  • X3-IES-6K
	  • X3-IES-8K
	  • X3-IES-10K
	  • X3-IES-12K
	  • X3-IES-15K
	
	Changed:
	
	• Hybrid inverter SolaX, new FW versions, model description corrected, comment added:
	  • X3-HYBRID-5.0-D (G4)
	  • X3-HYBRID-6.0-D (G4)
	  • X3-HYBRID-8.0-D (G4)
	  • X3-HYBRID-10.0-D (G4)
	  • X3-HYBRID-12.0-D (G4)
	  • X3-HYBRID-15.0-D (G4)
	• Comment added to Viessmann assets
	• Hybrid inverter Fox ESS, new FW versions:
	  • H3-5.0-Smart
	  • H3-6.0-Smart
	  • H3-8.0-Smart
	  • H3-9.9-Smart
	  • H3-10.0-Smart
	  • H3-12.0-Smart
	  • H3-15.0-Smart
	• Columns 'R4GX' and 'Plug & Play' added where applicable

26.05.2025	Added: iMSys Prolan STB 142 (FNN LH 1.2) as alpha Cleanup: SolarEdge hybrid and PV inverters and Kostal plenticore naming and assignment revised
16.05.2025	Correction: Theben SE Control modul was missing and is now added as alpha
06.05.2025	KEBA charging stations added: • KeContact P30 - Green Edition • KeContact P30 - PV-Edition • KeContact P30 - Dienstwagen Wallbox • KeContact P30 - Refurbished Wallbox
03.04.2025	Updated: • Meter: Janitza UMG 96 RM-EL changed to UMG96RM

Version	Changes

	• Hybrid inverter updated to stable:
	  • SolarEdge SE2200, SE3000, SE3000H, SE3500, SE3680H, SE4000, SE5000, SE5000H, SE6000H
	• Heatpump Daikin HomeHub updated to stable
	• Hybrid inverter updated to beta:
	  • Fox ESS: H3-5.0-Smart, H3-6.0-Smart, H3-8.0-Smart, H3-9.9-Smart, H3-10.0-Smart, H3-12.0-Smart, H3-15.0-Smart, H3-Pro-15.0, H3-Pro-20.0, H3-Pro-24.9, H3-Pro-25.0, H3-Pro-29.9, H3-Pro-30.0,
	  • Sungrow: Hybrid SH15T, Hybrid SH20T, Hybrid SH25T, Hybrid SH3.0RS, Hybrid SH3.6RS, Hybrid SH4.0RS, Hybrid SH5.0RS, Hybrid SH6.0RS, Hybrid SH5.0RT-20, Hybrid SH6.0RT-20, Hybrid SH8.0RT-20, Hybrid SH10RT-20
	
	Added:
	
	• Hybrid inverter added as alpha:
	  • GivEnergy: GIV-AC-3.0-G1, GIV-HY-3.6-G2-G3, GIV-HY-5.0-G2-G3
	  • GoodWe: GW5K-ET, GW6.5K-ET, GW8K-ET, GW10K-ET, GW5KN-ET, GW6.5KN-ET, GW8KN-ET, GW10KN-ET, GW5KL-ET, GW6KL-ET, GW8KL-ET, GW10KL-ET
	  • Kostal: Plenticore G3 S, Plenticore G3 M, Plenticore G3 L
	
	Will be removed in 90 days: Carlo Gavazzi VMU-E, VMU-X, EM340, ET112

28.02.2025	Removed: AC charging station Webasto Live
	
	Added:
	
	• HVAC Vaillant VR920
	• HVAC Vaillant VR940f (myVAILLANT connect)
	
	Updated:
	
	• HVAC: Vaillant sensoNET Gateway
	• Hybrid inverter:
	  • IBC Solar 5 AS-H21
	  • IBC Solar 6 AS-H21
	  • IBC Solar 8 AS-H31
	  • IBC Solar 10 AS-H31
	  • IBC Solar 12 AS-H31

31.01.2025	Added:
	
	• Hybrid inverter: IBC Solar
	  • 5 AS-H21
	  • 6 AS-H21
	  • 8 AS-H31
	  • 10 AS-H31
	  • 12 AS-H31
	
	Updated:
	
	• Meter: Shelly Pro 3EM updated from alpha to beta
	
	Removed:
	
	• Hybrid inverter: Solplanet
	  • ASW05k H-T2
	  • ASW06k H-T2
	  • ASW08k H-T3
	  • ASW10k H-T3
	  • ASW12k H-T3

Minor update 10.01.2025	Corrected: • Fronius Symo GEN24 12.0 Plus corrected to Fronius Symo GEN24 12.0 Plus SC • Fronius Symo GEN24 12.0 corrected to Fronius Symo GEN24 12.0 SC

2. Definitions of maturity stages

Definition of ALPHA

- A test protocol is available to verify compatibility to gridX requirements in a repeatable way, and with clear procedures, duration and conditions that can be used to support decisions in regards to maturity stages. The test protocol shall be available and ready to be reproduced by any gridX employee at any given time.
- An Alpha feature is available for first on-site tests at the customer's site after individual communication and activation by gridX.
- Alpha integrations are only available via individual deployment targeting individual gridBoxes.
- Alpha integrations are not covered by the gridX Support Terms.
- A first draft of documentation is available.
- gridX reserves the right to discontinue Alpha integrations at any time if performance is deemed unsatisfactory.

Definition of BETA

- The integration was validated on at least ten customer sites and has been running for four weeks without major issues. An issue is considered a major issue if it affects more than two sites and is not related to asset configuration or commissioning. It has been thoroughly tested in accordance with the test protocol and no major performance degradation is expected. The number of sites required for the stage may be decreased for assets outside of residential solutions.
- Beta integrations are available via activation in XENON scan configuration, reaching whole fleets of gridBoxes, but subject to customer contractual terms and conditions.
- Beta integrations are available for PoCs.
- A commissioning document is available in the help center.
- Incidents are maintained by the Integrations teams.
- Beta integrations are not covered by the gridX Support Terms.
- Quality of control behavior and measurements complies to our asset compatibility requirements.
- gridX reserves the right to discontinue Beta integrations at any time if performance is deemed unsatisfactory.

Definition of STABLE

- The module or feature is an established part of the gridX product portfolio. It has been used at at least 100 customer sites for twelve weeks without major issues. The number of sites required for the stage may be decreased for assets outside of residential solutions.
- Stable integrations can be added to any customer contract.
- Stable integrations are covered by the gridX Support Terms.

- Stable integrations support over-the-air-updates from the OEM and/or customer side that allows the whole fleet to be running under the same firmware version.
- Stable terms only apply to assets equipped with firmware versions approved by gridX.
- Stable integrations are supported by a contractual relationship between gridX and OEM that allows dedicated support and troubleshooting in cases of issues and new features.
- gridX may deprecate or reduce the maturity stage of a stable integration in face of insufficient performance with regards to the asset compatibility requirements, or lack of OEM support, with at least 90 days of prior notice.

Definition of DEPRECATED

- The integration use is not encouraged anymore as it will not be updated with regards to bug fixes. New modules and features will not take deprecated integrations into account during development and testing.
- Integrations may still be visible in external documentations. The product manager decides accessibility based on impact and consequences.
- Deprecated integrations are not covered by the gridX Support Terms.
- Any integrations (Alpha, Beta and Stable) may be deprecated, given the upfront notice periods mentioned in contracts and agreements involving them. gridX will only deprecate items for technical reasons after a careful consideration of impact on its partners.
- Deprecated integrations formerly on Stable stage are subject to support and bug fixes for at least two years.
- Deprecated integrations formerly on Alpha and Beta stages may not be given support and bug fixes.

Definition of DISCONTINUED

- The integration reached its end of life and is no longer supported by gridX, even for bug fixes.
- The integration is not mentioned in the website or external documentation in a sense the state serves more of an internal purpose.
- Assets that have reached the field already can be discontinued if appropriate action has been taken with the customer to eliminate the effects of the lack of support. Product Management, Customer Success and Solution Engineering shall work together in shutting down the feature.
- Discontinued integrations are disabled in XENON and are not present at any system at all in the field.

3. Sensitivity classification

The sensitivity indicates the severity of a failure of the various product components in the gridX portfolio.

Definition of CRITICAL

- Failures that cause damage to electrical components or are directly associated with high costs for the client are classified as "Critical". Due to their high importance for system stability, these components are associated with particularly fast response and resolution times.

Definition of HIGH

- Failures that can lead to suboptimal decisions during optimization or to increased loss of comfort are classified as "High".

4. Charging stations

4.1. AC charging stations

OEM	Model	Minimal Firmware-Version	Charging Power	Protocol	Monitoring & Troubleshoot-ing	Controlling HEMS	Controlling DLM	V2G / V2H	OCPP	Sensitivity	Development Stage
Alfen	Eve Double PG-line DE		2 x 22 kW	Modbus TCP	Yes	Yes	Yes	No	Yes	CRITICAL	Stable
Alfen	Eve Double Pro-Line		2 x 22 kW	Modbus TCP	Yes	Yes	Yes	No	Yes	CRITICAL	Stable
Alfen	Eve Single Pro-line		22 kW	Modbus TCP	Yes	Yes	Yes	No	Yes	CRITICAL	Stable
Alfen	Eve Single S-line		11 kW	Modbus TCP	Yes	Yes	Yes	No	Yes	CRITICAL	Stable
Alfen	Twin 4XL		2 x 22 kW	Modbus TCP	Yes	Yes	Yes	No	Yes	CRITICAL	Stable
EBG Compleo	Advanced/ Duo		22 kW	Modbus TCP	Yes	Yes	Yes	No	Yes	CRITICAL	Stable
EBG Compleo	Highline		22 kW	Modbus TCP	Yes	Yes	Yes	No	Yes	CRITICAL	Stable
EBG Compleo	Solo		22 kW	Modbus TCP	Yes	Yes	Yes	No	Yes	No	Alpha
EBG Compleo	Max		22 kW	Modbus TCP	Yes	Yes	Yes	No	Yes	No	Alpha
EBG Compleo	ZAS		22 kW	Modbus TCP	Yes	Yes	Yes	No	Yes	No	Alpha
EBG Compleo	eBox professional		22 kW	LG2LAN / Modbus TCP	Yes	Yes	Yes	No	Yes	CRITICAL	Stable
EBG Compleo	eBox smart		22 kW	LG2LAN / Modbus TCP	Yes	Yes	Yes	No	Yes	CRITICAL	Stable
EBG Compleo	eBox touch		22 kW	LG2LAN / Modbus TCP	Yes	Yes	Yes	No	Yes	CRITICAL	Stable
EBG Compleo	eStation smart/ Gen2		2 x 22 kW	LG2LAN	Yes	Yes	Yes	No	Yes	CRITICAL	Stable
GARO	LS4		2 x 22 kW	Modbus TCP	Yes	Yes	Yes	No	Yes	CRITICAL	Stable
go-e	HOMEfix	57.1	11 kW	HTTP APIv1 / APIv2	Yes	Yes	No	No	No	CRITICAL	Stable
go-e	HOMEfix	57.1	22 kW	HTTP APIv1 / APIv2	Yes	Yes	No	No	No	CRITICAL	Stable
go-e	Gemini (Flex)	57.1	11 kW	HTTP APIv1 / APIv2	Yes	Yes	No	No	No	CRITICAL	Stable
go-e	Gemini (Flex)	57.1	22 kW	HTTP APIv1 / APIv2	Yes	Yes	No	No	No	CRITICAL	Stable
Heidelberg	Energy Control		11 kW	Modbus RTU	Yes	Yes	Yes	No	No	CRITICAL	Stable
KEBA	KeContact P30 c-series		22 kW	UDP / JSON	Yes	Yes	Yes	No	No	CRITICAL	Stable
KEBA	KeContact P30 x-series		22 kW	UDP / JSON	Yes	Yes	Yes	No	Yes	CRITICAL	Stable
KEBA	KeContact P30 - Green Edition		11, 22 kW	UDP / JSON	Yes	Yes	Yes	No	No	No	Beta
KEBA	KeContact P30 - PV-Edition		11, 22 kW	UDP / JSON	Yes	Yes	Yes	No	No	No	Beta
KEBA	KeContact P30 - Dienstwagen Wallbox		11kW	UDP / JSON	Yes	Yes	Yes	No	No	No	Beta
KEBA	KeContact P30 - Refurbished Wallbox		11, 22 kW	UDP / JSON	Yes	Yes	Yes	No	No	No	Beta
MENNEKES	AMEDIO Professional		2 x 22 kW	Modbus TCP	Yes	Yes	Yes	No	Yes	CRITICAL	Stable
MENNEKES	AMTRON Charge Control		11 KW	Modbus TCP	Yes	Yes	Yes	No	Yes	CRITICAL	Stable
MENNEKES	AMTRON Premium		22 kW	SEMP / Modbus TCP	Yes	Yes	No	No	Yes	CRITICAL	Stable
MENNEKES	AMTRON Compact 2.0 S	2021.50.9787-202	7.4 kW	Modbus RTU	Yes	Yes	No	No	No	No	Alpha

OEM	Model	Minimal Firmware-Version	Charging Power	Protocol	Monitoring & Troubleshoot-ing	Controlling HEMS	Controlling DLM	V2G / V2H	OCPP	Sensitivity	Development Stage
MENNEKES	AMTRON Compact 2.0 S	2021.50.9787-202	11 kW	Modbus RTU	Yes	Yes	No	No	No	CRITICAL	Stable
MENNEKES	AMTRON Compact 2.0 S	2021.50.9787-202	22 kW	Modbus RTU	Yes	Yes	No	No	No	No	Alpha
MENNEKES	AMTRON Professional		22 kW	Modbus TCP	Yes	Yes	Yes	No	Yes	CRITICAL	Stable
MENNEKES	AMTRON Xtra		22 kW	SEMP	Yes	Yes	No	No	Yes	CRITICAL	Stable
MENNEKES	AMTRON® 4You 510 11 C2	1.4.31	11 kW	Modbus TCP	Yes	Yes	No	No	Yes	No	Alpha
MENNEKES	AMTRON® 4You 560 11 C2	1.4.31	11 kW	Modbus TCP	Yes	Yes	No	No	Yes	No	Alpha
PCE	LS4		2 x 22 kW	Modbus TCP	Yes	Yes	Yes	No	Yes	CRITICAL	Stable
Vestel	AC Zenith	v3.187.0	7 kW	Modbus TCP	Yes	Yes	Yes	No	Yes	CRITICAL	Stable
Vestel	AC Zenith	v3.187.0	11 kW	Modbus TCP	Yes	Yes	Yes	No	Yes	CRITICAL	Stable
Vestel	AC Zenith	v3.187.0	22 kW	Modbus TCP	Yes	Yes	Yes	No	Yes	CRITICAL	Stable
Vestel	AC Rhea	v3.187.0	7 kW	Modbus TCP	Yes	Yes	Yes	No	Yes	CRITICAL	Stable
Vestel	AC Rhea	v3.187.0	11 kW	Modbus TCP	Yes	Yes	Yes	No	Yes	CRITICAL	Stable
Vestel	AC Rhea	v3.187.0	22 kW	Modbus TCP	Yes	Yes	Yes	No	Yes	CRITICAL	Stable
Vestel	AC Libra	v3.187.0	7 kW	Modbus TCP	Yes	Yes	Yes	No	Yes	CRITICAL	Stable
Vestel	AC Libra	v3.187.0	11 kW	Modbus TCP	Yes	Yes	Yes	No	Yes	CRITICAL	Stable
Vestel	AC Libra	v3.187.0	22 kW	Modbus TCP	Yes	Yes	Yes	No	Yes	CRITICAL	Stable
Wallbox	Commander 2	6.4.16	22 kW	OCPP	Yes	Yes	No	No	Yes	No	Beta

4.2. DC charging stations

OEM	Model	Minimal firm-ware version	Charging Power	Protocol	Monitoring & Trou-bleshooting	Controlling HEMS	Controlling DLM	Phase accurate load management	V2G / V2H	OCPP	Sensitivity	Development stage
Alpitronic	HYC 50	1.7.3	50 kW	Modbus TCP	Yes	Yes	Yes	Yes	No	Yes	No	Beta
Alpitronic	HYC 150	1.7.3	150 kW	Modbus TCP	Yes	Yes	Yes	Yes	No	Yes	CRITICAL	Stable
Alpitronic	HYC 200	2.1.0	200 kW	Modbus TCP	Yes	Yes	Yes	Yes	No	Yes	No	Beta
Alpitronic	HYC 300	1.7.3	300 kW	Modbus TCP	Yes	Yes	Yes	Yes	No	Yes	CRITICAL	Stable
Alpitronic	HYC 400	2.1.0	400 kW	Modbus TCP	Yes	Yes	Yes	Yes	No	Yes	CRITICAL	Stable
EVTEC	coffee & charge V2X		22 kW	DCMS / Barista	Yes	Yes	Yes	Yes	Yes	Yes	No	Alpha
Kostad	CPC20 DC		22 kW	Modbus TCP	Yes	Yes	Yes	No	No	No	No	Alpha

5. Inverter

5.1. Inverter - Hybrid

OEM	Model	Minimal Firmware-Version	Monitoring	Control	Protocol	Sensitivity	Development stage	Comment
Alpha ESS	Smile Hi 5		Yes	No	Modbus TCP	No	Alpha	
Alpha ESS	Smile Hi 10		Yes	No	Modbus TCP	No	Alpha	
Enphase	Envoy-S + IQ7	D7.6.358	Yes	Yes	HTTPS	CRITICAL	Stable	The use of the asset requires an agreement between customer and Enphase.
Enphase	Envoy-S + IQ8	D7.6.358	Yes	Yes	HTTPS	CRITICAL	Stable	The use of the asset requires an agreement between customer and Enphase.
Fox ESS	H3-Pro-15.0	1.20	Yes	Yes	Modbus TCP	No	Beta	
Fox ESS	H3-Pro-20.0	1.20	Yes	Yes	Modbus TCP	No	Beta	
Fox ESS	H3-Pro-24.9	1.20	Yes	Yes	Modbus TCP	No	Beta	
Fox ESS	H3-Pro-25.0	1.20	Yes	Yes	Modbus TCP	No	Beta	
Fox ESS	H3-Pro-29.9	1.20	Yes	Yes	Modbus TCP	No	Beta	
Fox ESS	H3-Pro-30.0	1.20	Yes	Yes	Modbus TCP	No	Beta	
Fox ESS	H3-5.0-Smart	Master 1.21 & Manager 1.12	Yes	Yes	Modbus TCP	No	Beta	
Fox ESS	H3-6.0-Smart	Master 1.21 & Manager 1.12	Yes	Yes	Modbus TCP	No	Beta	
Fox ESS	H3-8.0-Smart	Master 1.21 & Manager 1.12	Yes	Yes	Modbus TCP	No	Beta	
Fox ESS	H3-9.9-Smart	Master 1.21 & Manager 1.12	Yes	Yes	Modbus TCP	No	Beta	
Fox ESS	H3-10.0-Smart	Master 1.21 & Manager 1.12	Yes	Yes	Modbus TCP	No	Beta	
Fox ESS	H3-12.0-Smart	Master 1.21 & Manager 1.12	Yes	Yes	Modbus TCP	No	Beta	
Fox ESS	H3-15.0-Smart	Master 1.21 & Manager 1.12	Yes	Yes	Modbus TCP	No	Beta	
Fronius	Symo GEN24 3.0 Plus	1.35.4-1	Yes	Yes	Modbus TCP	CRITICAL	Stable	
Fronius	Symo GEN24 3.0	1.35.4-1	Yes	Yes	Modbus TCP	CRITICAL	Stable	
Fronius	Symo GEN24 4.0 Plus	1.35.4-1	Yes	Yes	Modbus TCP	CRITICAL	Stable	
Fronius	Symo GEN24 4.0	1.35.4-1	Yes	Yes	Modbus TCP	CRITICAL	Stable	
Fronius	Symo GEN24 5.0 Plus	1.35.4-1	Yes	Yes	Modbus TCP	CRITICAL	Stable	
Fronius	Symo GEN24 5.0	1.35.4-1	Yes	Yes	Modbus TCP	CRITICAL	Stable	
Fronius	Symo GEN24 6.0 Plus	1.35.4-1	Yes	Yes	Modbus TCP	CRITICAL	Stable	
Fronius	Symo GEN24 6.0	1.35.4-1	Yes	Yes	Modbus TCP	CRITICAL	Stable	
Fronius	Symo GEN24 8.0 Plus	1.35.4-1	Yes	Yes	Modbus TCP	CRITICAL	Stable	
Fronius	Symo GEN24 8.0	1.35.4-1	Yes	Yes	Modbus TCP	CRITICAL	Stable	
Fronius	Symo GEN24 10.0 Plus	1.35.4-1	Yes	Yes	Modbus TCP	CRITICAL	Stable	
Fronius	Symo GEN24 10.0	1.35.4-1	Yes	Yes	Modbus TCP	CRITICAL	Stable	
Fronius	Symo GEN24 12.0 SC	1.35.4-1	Yes	Yes	Modbus TCP	No	Beta	
Fronius	Symo GEN24 12.0 Plus SC	1.35.4-1	Yes	Yes	Modbus TCP	No	Beta	
IBC Solar	5 AS-H21	V610-50097-04.000	Yes	Yes	Modbus TCP	No	Alpha	
IBC Solar	6 AS-H21	V610-50097-04.000	Yes	Yes	Modbus TCP	No	Alpha	

OEM	Model	Minimal Firmware-Version	Monitoring	Control	Protocol	Sensitivity	Development stage	Comment
IBC Solar	8 AS-H31	V610-50097-04.000	Yes	Yes	Modbus TCP	No	Alpha	
IBC Solar	10 AS-H31	V610-50097-04.000	Yes	Yes	Modbus TCP	No	Alpha	
IBC Solar	12 AS-H31	V610-50097-04.000	Yes	Yes	Modbus TCP	No	Alpha	
GivEnergy	GIV-AC-3.0-G1	FW 210.210	Yes	Yes	Modbus TCP	No	Alpha	
GivEnergy	GIV-HY-3.6-G2-G3	FW 920.920	Yes	Yes	Modbus TCP	No	Alpha	
GivEnergy	GIV-HY-5.0-G2-G3	FW 314.314	Yes	Yes	Modbus TCP	No	Alpha	
GoodWe	GW5K-ET	DSP-version 12.197; ARM-version 29.290; BMS-version 07	Yes	Yes	Modbus TCP	No	Alpha	
GoodWe	GW6.5K-ET	DSP-version 12.197; ARM-version 29.290; BMS-version 07	Yes	Yes	Modbus TCP	No	Alpha	
GoodWe	GW8K-ET	DSP-version 12.197; ARM-version 29.290; BMS-version 07	Yes	Yes	Modbus TCP	No	Alpha	
GoodWe	GW10K-ET	DSP-version 12.197; ARM-version 29.290; BMS-version 07	Yes	Yes	Modbus TCP	No	Alpha	
GoodWe	GW5KN-ET	DSP-version 12.197; ARM-version 29.290; BMS-version 07	Yes	Yes	Modbus TCP	No	Alpha	
GoodWe	GW6.5KN-ET	DSP-version 12.197; ARM-version 29.290; BMS-version 07	Yes	Yes	Modbus TCP	No	Alpha	
GoodWe	GW8KN-ET	DSP-version 12.197; ARM-version 29.290; BMS-version 07	Yes	Yes	Modbus TCP	No	Alpha	
GoodWe	GW10KN-ET	DSP-version 12.197; ARM-version 29.290; BMS-version 07	Yes	Yes	Modbus TCP	No	Alpha	
GoodWe	GW5KL-ET	DSP-version 12.197; ARM-version 29.290; BMS-version 07	Yes	Yes	Modbus TCP	No	Alpha	
GoodWe	GW6KL-ET	DSP-version 12.197; ARM-version 29.290; BMS-version 07	Yes	Yes	Modbus TCP	No	Alpha	
GoodWe	GW8KL-ET	DSP-version 12.197; ARM-version 29.290; BMS-version 07	Yes	Yes	Modbus TCP	No	Alpha	
GoodWe	GW10KL-ET	DSP-version 12.197; ARM-version 29.290; BMS-version 07	Yes	Yes	Modbus TCP	No	Alpha	
Kostal	Plenticore G3 S 4.0		Yes	Yes	Modbus TCP	No	Alpha	
Kostal	Plenticore G3 S 5.5		Yes	Yes	Modbus TCP	No	Alpha	
Kostal	Plenticore G3 S 7.0		Yes	Yes	Modbus TCP	No	Alpha	
Kostal	Plenticore G3 M 8.5		Yes	Yes	Modbus TCP	No	Alpha	
Kostal	Plenticore G3 M 10		Yes	Yes	Modbus TCP	No	Alpha	
Kostal	Plenticore G3 M 12.5		Yes	Yes	Modbus TCP	No	Alpha	
Kostal	Plenticore G3 L 15		Yes	Yes	Modbus TCP	No	Alpha	
Kostal	Plenticore G3 L 17		Yes	Yes	Modbus TCP	No	Alpha	
Kostal	Plenticore G3 L 20		Yes	Yes	Modbus TCP	No	Alpha	
Kostal	Plenticore Plus 3.0 (G1) G2	v1.44	Yes	Yes	Modbus TCP	CRITICAL	Stable	
Kostal	Plenticore Plus 4.2 (G1) G2	v1.44	Yes	Yes	Modbus TCP	CRITICAL	Stable	
Kostal	Plenticore Plus 5.5 (G1) G2	v1.44	Yes	Yes	Modbus TCP	CRITICAL	Stable	
Kostal	Plenticore Plus 7.0 (G1) G2	v1.44	Yes	Yes	Modbus TCP	CRITICAL	Stable	
Kostal	Plenticore Plus 8.5 (G1) G2	v1.44	Yes	Yes	Modbus TCP	CRITICAL	Stable	
Kostal	Plenticore Plus 10 (G1) G2	v1.44	Yes	Yes	Modbus TCP	CRITICAL	Stable	
SMA	Sunny Tripower Smart Energy 5.0	3.2.20.R	Yes	Yes	Modbus TCP	No	Beta	
SMA	Sunny Tripower Smart Energy 6.0	3.2.20.R	Yes	Yes	Modbus TCP	No	Beta	

OEM	Model	Minimal Firmware-Version	Monitoring	Control	Protocol	Sensitivity	Development stage	Comment
SMA	Sunny Tripower Smart Energy 8.0	3.2.20.R	Yes	Yes	Modbus TCP	No	Beta	
SMA	Sunny Tripower Smart Energy 10.0	3.2.20.R	Yes	Yes	Modbus TCP	No	Beta	
SolarEdge	SE5K-RWB48		Yes	Yes	Modbus TCP	CRITICAL	Stable	The control of the asset requires an agreement between the customer and SolarEdge
SolarEdge	SE7K-RWB48		Yes	Yes	Modbus TCP	CRITICAL	Stable	The control of the asset requires an agreement between the customer and SolarEdge
SolarEdge	SE8K-RWB48		Yes	Yes	Modbus TCP	CRITICAL	Stable	The control of the asset requires an agreement between the customer and SolarEdge
SolarEdge	SE10K-RWB48		Yes	Yes	Modbus TCP	CRITICAL	Stable	The control of the asset requires an agreement between the customer and SolarEdge
SolarEdge	SE5K-RWS48		Yes	Yes	Modbus TCP	CRITICAL	Stable	The control of the asset requires an agreement between the customer and SolarEdge
SolarEdge	SE7K-RWS48		Yes	Yes	Modbus TCP	CRITICAL	Stable	The control of the asset requires an agreement between the customer and SolarEdge
SolarEdge	SE8K-RWS48		Yes	Yes	Modbus TCP	CRITICAL	Stable	The control of the asset requires an agreement between the customer and SolarEdge
SolarEdge	SE10K-RWS48		Yes	Yes	Modbus TCP	CRITICAL	Stable	The control of the asset requires an agreement between the customer and SolarEdge
SolarEdge	SE2200		Yes	Yes	Modbus TCP	CRITICAL	Stable	The control of the asset requires an agreement between the customer and SolarEdge
SolarEdge	SE2200H		Yes	Yes	Modbus TCP	CRITICAL	Stable	The control of the asset requires an agreement between the customer and SolarEdge
SolarEdge	SE3000		Yes	Yes	Modbus TCP	CRITICAL	Stable	The control of the asset requires an agreement between the customer and SolarEdge
SolarEdge	SE3000H		Yes	Yes	Modbus TCP	CRITICAL	Stable	The control of the asset requires an agreement between the customer and SolarEdge
SolarEdge	SE3500		Yes	Yes	Modbus TCP	CRITICAL	Stable	The control of the asset requires an agreement between the customer and SolarEdge
SolarEdge	SE3500H		Yes	Yes	Modbus TCP	CRITICAL	Stable	The control of the asset requires an agreement between the customer and SolarEdge
SolarEdge	SE3680H		Yes	Yes	Modbus TCP	CRITICAL	Stable	The control of the asset requires an agreement between the customer and SolarEdge
SolarEdge	SE4000		Yes	Yes	Modbus TCP	CRITICAL	Stable	The control of the asset requires an agreement between the customer and SolarEdge
SolarEdge	SE4000H		Yes	Yes	Modbus TCP	CRITICAL	Stable	The control of the asset requires an agreement between the customer and SolarEdge
SolarEdge	SE5000		Yes	Yes	Modbus TCP	CRITICAL	Stable	The control of the asset requires an agreement between the customer and SolarEdge
SolarEdge	SE5000H		Yes	Yes	Modbus TCP	CRITICAL	Stable	The control of the asset requires an agreement between the customer and SolarEdge
SolarEdge	SE6000H		Yes	Yes	Modbus TCP	CRITICAL	Stable	The control of the asset requires an agreement between the customer and SolarEdge
SolaX	X1-HYBRID-3.0-D (G4)	ARM 1.47 DSP 1.51	Yes	Yes	Modbus TCP	No	Alpha	Wifi+LAN Dongle is necessary.
SolaX	X1-HYBRID-3.7-D (G4)	ARM 1.47 DSP 1.51	Yes	Yes	Modbus TCP	No	Alpha	Wifi+LAN Dongle is necessary.
SolaX	X1-HYBRID-5.0-D (G4)	ARM 1.47 DSP 1.51	Yes	Yes	Modbus TCP	No	Alpha	Wifi+LAN Dongle is necessary.
SolaX	X1-HYBRID-6.0-D (G4)	ARM 1.47 DSP 1.51	Yes	Yes	Modbus TCP	No	Alpha	Wifi+LAN Dongle is necessary.
SolaX	X1-HYBRID-7.5-D (G4)	ARM 1.47 DSP 1.51	Yes	Yes	Modbus TCP	No	Alpha	Wifi+LAN Dongle is necessary.
SolaX	X1-IES-2.5K	ARM: V14.06 DSP: V18.06	Yes	Yes	Modbus TCP	No	Alpha	Wifi+LAN Dongle is necessary.
SolaX	X1-IES-3K	ARM: V14.06 DSP: V18.06	Yes	Yes	Modbus TCP	No	Alpha	Wifi+LAN Dongle is necessary.
SolaX	X1-IES-3.7K	ARM: V14.06 DSP: V18.06	Yes	Yes	Modbus TCP	No	Alpha	Wifi+LAN Dongle is necessary.

OEM	Model	Minimal Firmware-Version	Monitoring	Control	Protocol	Sensitivity	Development stage	Comment
SolaX	X1-IES-5K	ARM: V14.06 DSP: V18.06	Yes	Yes	Modbus TCP	No	Alpha	Wifi+LAN Dongle is necessary.
SolaX	X1-IES-6K	ARM: V14.06 DSP: V18.06	Yes	Yes	Modbus TCP	No	Alpha	Wifi+LAN Dongle is necessary.
SolaX	X1-IES-8K	ARM: V14.06 DSP: V18.06	Yes	Yes	Modbus TCP	No	Alpha	Wifi+LAN Dongle is necessary.
SolaX	X3-IES-4K	ARM: 15.04 DSP: 19.04	Yes	Yes	Modbus TCP	No	Alpha	Wifi+LAN Dongle is necessary.
SolaX	X3-IES-5K	ARM: 15.04 DSP: 19.04	Yes	Yes	Modbus TCP	No	Alpha	Wifi+LAN Dongle is necessary.
SolaX	X3-IES-6K	ARM: 15.04 DSP: 19.04	Yes	Yes	Modbus TCP	No	Alpha	Wifi+LAN Dongle is necessary.
SolaX	X3-IES-8K	ARM: 15.04 DSP: 19.04	Yes	Yes	Modbus TCP	No	Alpha	Wifi+LAN Dongle is necessary.
SolaX	X3-IES-10K	ARM: 15.04 DSP: 19.04	Yes	Yes	Modbus TCP	No	Alpha	Wifi+LAN Dongle is necessary.
SolaX	X3-IES-12K	ARM: 15.04 DSP: 19.04	Yes	Yes	Modbus TCP	No	Alpha	Wifi+LAN Dongle is necessary.
SolaX	X3-IES-15K	ARM: 15.04 DSP: 19.04	Yes	Yes	Modbus TCP	No	Alpha	Wifi+LAN Dongle is necessary.
SolaX	X3-HYBRID-5.0-D (G4)	ARM: 1.51 DSP 1.53	Yes	Yes	Modbus TCP	No	Alpha	Wifi+LAN Dongle is necessary.
SolaX	X3-HYBRID-6.0-D (G4)	ARM: 1.51 DSP 1.53	Yes	Yes	Modbus TCP	No	Alpha	Wifi+LAN Dongle is necessary.
SolaX	X3-HYBRID-8.0-D (G4)	ARM: 1.51 DSP 1.53	Yes	Yes	Modbus TCP	No	Alpha	Wifi+LAN Dongle is necessary.
SolaX	X3-HYBRID-10.0-D (G4)	ARM: 1.51 DSP 1.53	Yes	Yes	Modbus TCP	No	Alpha	Wifi+LAN Dongle is necessary.
SolaX	X3-HYBRID-12.0-D (G4)	ARM: 1.51 DSP 1.53	Yes	Yes	Modbus TCP	No	Alpha	Wifi+LAN Dongle is necessary.
SolaX	X3-HYBRID-15.0-D (G4)	ARM: 1.51 DSP 1.53	Yes	Yes	Modbus TCP	No	Alpha	Wifi+LAN Dongle is necessary.
SolaX	X3-ULT-15K	ARM:25.02 DSP:25.04	Yes	Yes	Modbus TCP	No	Alpha	Wifi+LAN Dongle is necessary.
SolaX	X3-ULT-15KP	ARM:25.02 DSP:25.04	Yes	Yes	Modbus TCP	No	Alpha	Wifi+LAN Dongle is necessary.
SolaX	X3-ULT-19.9K	ARM:25.02 DSP:25.04	Yes	Yes	Modbus TCP	No	Alpha	Wifi+LAN Dongle is necessary.
SolaX	X3-ULT-20K	ARM:25.02 DSP:25.04	Yes	Yes	Modbus TCP	No	Alpha	Wifi+LAN Dongle is necessary.
SolaX	X3-ULT-20KP	ARM:25.02 DSP:25.04	Yes	Yes	Modbus TCP	No	Alpha	Wifi+LAN Dongle is necessary.
SolaX	X3-ULT-25K	ARM:25.02 DSP:25.04	Yes	Yes	Modbus TCP	No	Alpha	Wifi+LAN Dongle is necessary.
SolaX	X3-ULT-30K	ARM:25.02DSP:25.04	Yes	Yes	Modbus TCP	No	Alpha	Wifi+LAN Dongle is necessary.
Sungrow	Hybrid SH15T	MDSP "PEARL-H_03011.01.30"	Yes	Yes	Modbus TCP	No	Beta	
Sungrow	Hybrid SH20T	MDSP "PEARL-H_03011.01.30"	Yes	Yes	Modbus TCP	No	Beta	
Sungrow	Hybrid SH25T	MDSP "PEARL-H_03011.01.30"	Yes	Yes	Modbus TCP	No	Beta	
Sungrow	Hybrid SH3.0RS	MDSP "SUNSTONE-H_03011.02.36"	Yes	Yes	Modbus TCP	No	Beta	
Sungrow	Hybrid SH3.6RS	MDSP "SUNSTONE-H_03011.02.36"	Yes	Yes	Modbus TCP	No	Beta	
Sungrow	Hybrid SH4.0RS	MDSP "SUNSTONE-H_03011.02.36"	Yes	Yes	Modbus TCP	No	Beta	
Sungrow	Hybrid SH5.0RS	MDSP "SUNSTONE-H_03011.02.36"	Yes	Yes	Modbus TCP	No	Beta	
Sungrow	Hybrid SH6.0RS	MDSP "SUNSTONE-H_03011.02.36"	Yes	Yes	Modbus TCP	No	Beta	
Sungrow	Hybrid SH5.0RT (V11 + V112)	MDSP "SAPPHIRE-H_03011.95.03"	Yes	Yes	Modbus TCP	No	Beta	
Sungrow	Hybrid SH6.0RT (V11 + V112)	MDSP "SAPPHIRE-H_03011.95.03"	Yes	Yes	Modbus TCP	No	Beta	
Sungrow	Hybrid SH8.0RT (V11 + V112)	MDSP "SAPPHIRE-H_03011.95.03"	Yes	Yes	Modbus TCP	No	Beta	
Sungrow	Hybrid SH10RT (V11 + V112)	MDSP "SAPPHIRE-H_03011.95.03"	Yes	Yes	Modbus TCP	No	Beta	
Sungrow	Hybrid SH5.0RT-20	MDSP "SAPPHIRE-H_03011.95.03"	Yes	Yes	Modbus TCP	No	Beta	
Sungrow	Hybrid SH6.0RT-20	MDSP "SAPPHIRE-H_03011.95.03"	Yes	Yes	Modbus TCP	No	Beta	
Sungrow	Hybrid SH8.0RT-20	MDSP "SAPPHIRE-H_03011.95.03"	Yes	Yes	Modbus TCP	No	Beta	
Sungrow	Hybrid SH10RT-20	MDSP "SAPPHIRE-H_03011.95.03"	Yes	Yes	Modbus TCP	No	Beta	
Viess-mann	Vitocharge VX3		Yes	Yes	EEBUS	CRITICAL	Stable	The use of the asset requires an agreement between customer and Viess-mann

5.2. Inverter - Battery

OEM	Model	Minimal Firmware-Version	Monitoring	Control	Protocol	Sensitivity	Development stage	Comment
Kostal (Old Generation)	PIKO 3.0		Yes	No	Custom TCP protocol	No	Beta	
Kostal (Old Generation)	PIKO 3.6		Yes	No	Custom TCP protocol	No	Beta	
Kostal (Old Generation)	PIKO 4.2		Yes	No	Custom TCP protocol	No	Beta	
Kostal (Old Generation)	PIKO 5.5		Yes	No	Custom TCP protocol	No	Beta	
Kostal (Old Generation)	PIKO 7.0		Yes	No	Custom TCP protocol	No	Beta	
Kostal (Old Generation)	PIKO 8.3		Yes	No	Custom TCP protocol	No	Beta	
Kostal (Old Generation)	PIKO 10.1		Yes	No	Custom TCP protocol	No	Beta	
Kostal (New Generation)	PIKO 3.0		Yes	No	Custom TCP protocol	No	Alpha	
Kostal (New Generation)	PIKO 4.2		Yes	No	Custom TCP protocol	No	Alpha	
Kostal (New Generation)	PIKO 4.6		Yes	No	Custom TCP protocol	No	Alpha	
Kostal (New Generation)	PIKO 5.5		Yes	No	Custom TCP protocol	No	Alpha	
Kostal (New Generation)	PIKO 7.0		Yes	No	Custom TCP protocol	No	Alpha	
Kostal (New Generation)	PIKO 8.5		Yes	No	Custom TCP protocol	No	Alpha	
Kostal (New Generation)	PIKO 10		Yes	No	Custom TCP protocol	No	Alpha	
Kostal (New Generation)	PIKO 12		Yes	No	Custom TCP protocol	No	Alpha	
Kostal (New Generation)	PIKO 15		Yes	No	Custom TCP protocol	No	Alpha	
Kostal (New Generation)	PIKO 17		Yes	No	Custom TCP protocol	No	Alpha	
Kostal (New Generation)	PIKO 20		Yes	No	Custom TCP protocol	No	Alpha	
Kostal	PIKO IQ		Yes	No	Modbus TCP	No	Alpha	
Pixii	PowerShaper via Pixii Gateway	2.0.22	Yes	Yes	Modbus TCP	No	Alpha	Monitoring & control: DLM only, with the feature 'Battery: Virtual Grid Expansion'
SMA	Sunny Boy Storage SBS 2.5-1VL-10	2.04.24.R	Yes	Yes	Modbus TCP	CRITICAL	Stable	
SMA	Sunny Boy Storage SBS 3.7-10	1.00.73.R	Yes	Yes	Modbus TCP	CRITICAL	Stable	
SMA	Sunny Boy Storage SBS 5.0-10	1.00.73.R	Yes	Yes	Modbus TCP	CRITICAL	Stable	
SMA	Sunny Boy Storage SBS 6.0-10	1.00.73.R	Yes	Yes	Modbus TCP	CRITICAL	Stable	
SMA	Sunny Island 3.0M	1.02.00R	Yes	Yes	Modbus TCP	CRITICAL	Stable	
SMA	Sunny Island 4.4M	1.02.00R	Yes	Yes	Modbus TCP	CRITICAL	Stable	
SMA	Sunny Island 6.0H	1.02.00R	Yes	Yes	Modbus TCP	CRITICAL	Stable	
SMA	Sunny Island 8.0H	1.02.00R	Yes	Yes	Modbus TCP	CRITICAL	Stable	
Sonnen	Sonnenbatterie comfort		Yes	Yes	REST API via HTTP	No	Alpha	
Sonnen	Sonnenbatterie eco 5		Yes	Yes	REST API via HTTP	No	Alpha	
Sonnen	Sonnenbatterie eco 6		Yes	Yes	REST API via HTTP	No	Alpha	
Sonnen	Sonnenbatterie eco 6.5		Yes	Yes	REST API via HTTP	No	Alpha	
Sonnen	Sonnenbatterie eco 7		Yes	Yes	REST API via HTTP	No	Alpha	
Sonnen	Sonnenbatterie eco 8		Yes	Yes	REST API via HTTP	CRITICAL	Stable	
Sonnen	Sonnenbatterie 10		Yes	Yes	REST API via HTTP	CRITICAL	Stable	

5.3. Inverter - PV

OEM	Model	Minimal Firmware-Version	Monitoring	Control	Protocol	Sensitivity	Development stage
Fronius	IG 15		Yes	No	Modbus TCP	No	Alpha
Fronius	IG 20		Yes	No	Modbus TCP	No	Alpha
Fronius	IG 30		Yes	No	Modbus TCP	No	Alpha
Fronius	IG 40		Yes	No	Modbus TCP	No	Alpha
Fronius	IG 50		Yes	No	Modbus TCP	No	Alpha
Fronius	IG 60		Yes	No	Modbus TCP	No	Alpha
Fronius	IG 60 HV		Yes	No	Modbus TCP	No	Alpha
Fronius	IG Plus 25		Yes	No	Modbus TCP	No	Alpha
Fronius	IG Plus 30		Yes	No	Modbus TCP	No	Alpha
Fronius	IG Plus 35		Yes	No	Modbus TCP	No	Alpha
Fronius	IG Plus 50		Yes	No	Modbus TCP	No	Alpha
Fronius	IG Plus 60		Yes	No	Modbus TCP	No	Alpha
Fronius	IG Plus 70		Yes	No	Modbus TCP	No	Alpha
Fronius	IG Plus 80		Yes	No	Modbus TCP	No	Alpha
Fronius	IG Plus 100		Yes	No	Modbus TCP	No	Alpha
Fronius	IG Plus 120		Yes	No	Modbus TCP	No	Alpha
Fronius	IG Plus 150		Yes	No	Modbus TCP	No	Alpha
Fronius	Primo 3.0-1		Yes	Yes	Modbus TCP	No	Alpha
Fronius	Primo 3.5-1		Yes	Yes	Modbus TCP	No	Alpha
Fronius	Primo 3.6-1		Yes	Yes	Modbus TCP	No	Alpha
Fronius	Primo 4.0-1		Yes	Yes	Modbus TCP	No	Alpha
Fronius	Primo 4.6-1		Yes	Yes	Modbus TCP	No	Alpha
Fronius	Primo 5.0-1		Yes	Yes	Modbus TCP	No	Alpha
Fronius	Primo 5.0-1-AUS		Yes	Yes	Modbus TCP	No	Alpha
Fronius	Primo 5.0-1-SC		Yes	Yes	Modbus TCP	No	Alpha
Fronius	Primo 6.0-1		Yes	Yes	Modbus TCP	No	Alpha
Fronius	Primo 8.2-1		Yes	Yes	Modbus TCP	No	Alpha
Fronius	Symo 3.0-3-M		Yes	Yes	Modbus TCP	No	Beta
Fronius	Symo 3.0-3-S		Yes	Yes	Modbus TCP	No	Beta
Fronius	Symo 3.7-3-M		Yes	Yes	Modbus TCP	No	Beta
Fronius	Symo 3.7-3-S		Yes	Yes	Modbus TCP	No	Beta
Fronius	Symo 4.5-3-M		Yes	Yes	Modbus TCP	No	Beta
Fronius	Symo 4.5-3-S		Yes	Yes	Modbus TCP	No	Beta
Fronius	Symo 5.0-3-M		Yes	Yes	Modbus TCP	No	Beta
Fronius	Symo 6.0-3-M		Yes	Yes	Modbus TCP	No	Beta
Fronius	Symo 7.0-3-M		Yes	Yes	Modbus TCP	No	Beta
Fronius	Symo 8.2-3-M		Yes	Yes	Modbus TCP	No	Beta
Fronius	Symo 10.0-3-M		Yes	Yes	Modbus TCP	No	Beta
Fronius	Symo 12.5-3-M		Yes	Yes	Modbus TCP	No	Beta
Fronius	Symo 15.0-3-M		Yes	Yes	Modbus TCP	No	Beta

OEM	Model	Minimal Firmware-Version	Monitoring	Control	Protocol	Sensitivity	Development stage
Fronius	Symo 17.5-3-M		Yes	Yes	Modbus TCP	No	Beta
Fronius	Symo 20.0-3-M		Yes	Yes	Modbus TCP	No	Beta
SMA	Sunny Boy 1.5-1		Yes	Yes	Modbus TCP	CRITICAL	Stable
SMA	Sunny Boy 2.0-1		Yes	Yes	Modbus TCP	CRITICAL	Stable
SMA	Sunny Boy 2.5-1	2.02.11.R	Yes	Yes	Modbus TCP	CRITICAL	Stable
SMA	Sunny Boy 3.0-1		Yes	Yes	Modbus TCP	CRITICAL	Stable
SMA	Sunny Boy 3.6-1		Yes	Yes	Modbus TCP	CRITICAL	Stable
SMA	Sunny Boy 4.0-1		Yes	Yes	Modbus TCP	CRITICAL	Stable
SMA	Sunny Boy 5.0-1		Yes	Yes	Modbus TCP	CRITICAL	Stable
SMA	Sunny Boy 6.0-1		Yes	Yes	Modbus TCP	CRITICAL	Stable
SMA	Sunny Boy 3600SE-10		Yes	Yes	Modbus TCP	CRITICAL	Stable
SMA	Sunny Boy 5000SE-10		Yes	Yes	Modbus TCP	CRITICAL	Stable
SMA	Sunny Boy 3000TL-21		Yes	Yes	Modbus TCP	CRITICAL	Stable
SMA	Sunny Boy 3600TL-21		Yes	Yes	Modbus TCP	CRITICAL	Stable
SMA	Sunny Boy 4000TL-21	2.81.01.R	Yes	Yes	Modbus TCP	CRITICAL	Stable
SMA	Sunny Boy 5000TL-21	2.81.01.R	Yes	Yes	Modbus TCP	CRITICAL	Stable
SMA	Sunny Boy 2500TLST-21		Yes	Yes	Modbus TCP	CRITICAL	Stable
SMA	Sunny Boy 3000TLST-21		Yes	Yes	Modbus TCP	CRITICAL	Stable
SMA	Sunny Tripower 3.0		Yes	Yes	Modbus TCP	CRITICAL	Stable
SMA	Sunny Tripower 4.0		Yes	Yes	Modbus TCP	CRITICAL	Stable
SMA	Sunny Tripower 5.0		Yes	Yes	Modbus TCP	CRITICAL	Stable
SMA	Sunny Tripower 6.0		Yes	Yes	Modbus TCP	CRITICAL	Stable
SMA	Sunny Tripower 8.0 3AV V11	1.01.18.R	Yes	Yes	Modbus TCP	CRITICAL	Stable
SMA	Sunny Tripower 10.0 3AV V11	1.01.18.R	Yes	Yes	Modbus TCP	CRITICAL	Stable
SMA	STP 8000TL-10		Yes	Yes	Modbus TCP	CRITICAL	Stable
SMA	STP 10000TL-10		Yes	Yes	Modbus TCP	CRITICAL	Stable
SMA	STP 12000TL-10		Yes	Yes	Modbus TCP	CRITICAL	Stable
SMA	STP 15000TL-10		Yes	Yes	Modbus TCP	CRITICAL	Stable
SMA	STP 17000TL-10		Yes	Yes	Modbus TCP	CRITICAL	Stable
SMA	STP 20000TLEE-10		Yes	Yes	Modbus TCP	CRITICAL	Stable
SMA	STP 5000TL-20	2.55.03.R	Yes	Yes	Modbus TCP	CRITICAL	Stable
SMA	STP 6000TL-20	2.55.03.R	Yes	Yes	Modbus TCP	CRITICAL	Stable
SMA	STP 7000TL-20	2.55.03.R	Yes	Yes	Modbus TCP	CRITICAL	Stable
SMA	STP 8000TL-20	2.55.03.R	Yes	Yes	Modbus TCP	CRITICAL	Stable
SMA	STP 9000TL-20	2.55.03.R	Yes	Yes	Modbus TCP	CRITICAL	Stable
SMA	STP 10000TL-20	2.55.03.R	Yes	Yes	Modbus TCP	CRITICAL	Stable
SMA	STP 11000TL-20	2.55.03.R	Yes	Yes	Modbus TCP	CRITICAL	Stable
SMA	STP 12000TL-20	2.55.03.R	Yes	Yes	Modbus TCP	CRITICAL	Stable
SMA	STP 15000TL-30		Yes	Yes	Modbus TCP	CRITICAL	Stable
SMA	STP 20000TL-30		Yes	Yes	Modbus TCP	CRITICAL	Stable

OEM	Model	Minimal Firmware-Version	Monitoring	Control	Protocol	Sensitivity	Development stage
SMA	STP 25000TL-30	2.131.3.R	Yes	Yes	Modbus TCP	CRITICAL	Stable
SolarEdge	SE25K		Yes	Yes*	Modbus TCP	CRITICAL	Stable
SolarEdge	SE27.5K		Yes	Yes*	Modbus TCP	CRITICAL	Stable
SolarEdge	SE90K		Yes	Yes*	Modbus TCP	No	Alpha
SolarEdge	SE3K-RW0	min. FW Version 0.73	Yes	Yes*	Modbus TCP	CRITICAL	Stable
SolarEdge	SE4K-RW0	min. FW Version 0.73	Yes	Yes*	Modbus TCP	CRITICAL	Stable
SolarEdge	SE5K-RW0	min. FW Version 0.73	Yes	Yes*	Modbus TCP	CRITICAL	Stable
SolarEdge	SE6K-RW0	min. FW Version 0.73	Yes	Yes*	Modbus TCP	CRITICAL	Stable
SolarEdge	SE7K-RW0	min. FW Version 0.73	Yes	Yes*	Modbus TCP	CRITICAL	Stable
SolarEdge	SE8K-RW0	min. FW Version 0.73	Yes	Yes*	Modbus TCP	CRITICAL	Stable
SolarEdge	SE9K-RW0	min. FW Version 0.73	Yes	Yes*	Modbus TCP	CRITICAL	Stable
SolarEdge	SE10K-RW0	min. FW Version 0.73	Yes	Yes*	Modbus TCP	CRITICAL	Stable
SolarEdge	SE12.5K-RW0	min. FW Version 0.73	Yes	Yes*	Modbus TCP	CRITICAL	Stable
SolarEdge	SE15K-RW0	min. FW Version 0.73	Yes	Yes*	Modbus TCP	CRITICAL	Stable
SolarEdge	SE16K-RW0	min. FW Version 0.73	Yes	Yes*	Modbus TCP	CRITICAL	Stable
SolarEdge	SE17K-RW0	min. FW Version 0.73	Yes	Yes*	Modbus TCP	CRITICAL	Stable
SolarEdge	SE3K-RWB		Yes	Yes*	Modbus TCP	CRITICAL	Stable
SolarEdge	SE4K-RWB		Yes	Yes*	Modbus TCP	CRITICAL	Stable
SolarEdge	SE5K-RWB		Yes	Yes*	Modbus TCP	CRITICAL	Stable
Sungrow	PV SG5.0RT		Yes	No	Modbus TCP	No	Beta
Sungrow	PV SG6.0RT		Yes	No	Modbus TCP	No	Beta
Sungrow	PV SG7.0RT		Yes	No	Modbus TCP	No	Beta
Sungrow	PV SG8.0RT		Yes	No	Modbus TCP	No	Beta
Sungrow	PV SG10RT		Yes	No	Modbus TCP	No	Beta
Sungrow	PV SG12RT		Yes	No	Modbus TCP	No	Beta
Sungrow	PV SG15RT		Yes	No	Modbus TCP	No	Beta
Sungrow	PV SG17RT		Yes	No	Modbus TCP	No	Beta
Sungrow	PV SG20RT		Yes	No	Modbus TCP	No	Beta

*The control of the asset requires an agreement between the customer and SolarEdge

6. HVAC

OEM	Model	Min. Firmware	Communication module	Protocol	Comment	Sensitivity	Development stage
Bosch	CS 5800i AW	HMI-Version: NF47.10 EEBUS, SW Version: V12.02.02	K 40 RF	EEBUS	Controlling via OHPCF, Monitoring via MPC and §14a compliance via LPC use cases	No	Alpha
Bosch	CS 6800i AW	HMI-Version: NF47.10 EEBUS, SW Version: V12.02.02	K 40 RF	EEBUS	Controlling via OHPCF, Monitoring via MPC and §14a compliance via LPC use cases	No	Alpha
Bosch	CS 7001i AW	HMI-Version: NF47.10 EEBUS, SW Version: V12.02.02	K 40 RF	EEBUS	Monitoring via MPC and §14a compliance via LPC use cases	No	Alpha
Bosch	CS 7400i AW	HMI-Version: NF47.10 EEBUS, SW Version: V12.02.02	K 40 RF	EEBUS	Monitoring via MPC and §14a compliance via LPC use cases	No	Alpha
Bosch	CS 3400i AWS	HMI-Version: NF47.10 EEBUS, SW Version: V12.02.02	K 40 RF	EEBUS	Monitoring via MPC and §14a compliance via LPC use cases	No	Alpha
Bosch	CS 7800 LW	HMI-Version: NF47.10 EEBUS, SW Version: V12.02.02	K 40 RF	EEBUS	Monitoring via MPC and §14a compliance via LPC use cases	No	Alpha
Buderus	WLW 176i	HMI-Version: NF47.10 EEBUS, SW Version: V12.02.02	K 40 RF	EEBUS	Controlling via OHPCF, Monitoring via MPC and §14a compliance via LPC use cases	No	Alpha
Buderus	WLW 186i	HMI-Version: NF47.10 EEBUS, SW Version: V12.02.02	K 40 RF	EEBUS	Controlling via OHPCF, Monitoring via MPC and §14a compliance via LPC use cases	No	Alpha
Buderus	WLW 196i	HMI-Version: NF47.10 EEBUS, SW Version: V12.02.02	K 40 RF	EEBUS	Monitoring via MPC and §14a compliance via LPC use cases	No	Alpha
Buderus	WLW 196i +	HMI-Version: NF47.10 EEBUS, SW Version: V12.02.02	K 40 RF	EEBUS	Monitoring via MPC and §14a compliance via LPC use cases	No	Alpha
Buderus	WLW 161i	HMI-Version: NF47.10 EEBUS, SW Version: V12.02.02	K 40 RF	EEBUS	Monitoring via MPC and §14a compliance via LPC use cases	No	Alpha
Buderus	WSW 196i	HMI-Version: NF47.10 EEBUS, SW Version: V12.02.02	K 40 RF	EEBUS	Monitoring via MPC and §14a compliance via LPC use cases	No	Alpha
IVT	AirX 500	HMI-Version: NF47.10 EEBUS, SW Version: V12.02.02	K 40 RF	EEBUS	Controlling via OHPCF, Monitoring via MPC and §14a compliance via LPC use cases	No	Alpha

OEM	Model	Min. Firmware	Communication module	Protocol	Comment	Sensitivity	Development stage
IVT	AirX 400	HMI-Version: NF47.10 EEBUS, SW Version: V12.02.02	K 40 RF	EEBUS	Monitoring via MPC and §14a compliance via LPC use cases	No	Alpha
IVT	AirX 400S	HMI-Version: NF47.10 EEBUS, SW Version: V12.02.02	K 40 RF	EEBUS	Monitoring via MPC and §14a compliance via LPC use cases	No	Alpha
IVT	AirSplit 300	HMI-Version: NF47.10 EEBUS, SW Version: V12.02.02	K 40 RF	EEBUS	Monitoring via MPC and §14a compliance via LPC use cases	No	Alpha
IVT	Geo 600	HMI-Version: NF47.10 EEBUS, SW Version: V12.02.02	K 40 RF	EEBUS	Monitoring via MPC and §14a compliance via LPC use cases	No	Alpha
Daikin	Altherma 3 H HT	MMI 2 7.4.0	HomeHub	Modbus TCP	Controlling via SG Ready	CRITICAL	Stable
Daikin	Altherma 3 H MT	MMI 2 7.4.0	HomeHub	Modbus TCP	Controlling via SG Ready	CRITICAL	Stable
Daikin	Altherma 3 R MT	MMI 2 7.4.0	HomeHub	Modbus TCP	Controlling via SG Ready	CRITICAL	Stable
Daikin	Altherma 3 R MT	MMI 2 7.4.0	HomeHub	Modbus TCP	Controlling via SG Ready	CRITICAL	Stable
Daikin	Altherma 3 M	MMI 2 7.4.0	HomeHub	Modbus TCP	Controlling via SG Ready	CRITICAL	Stable
Daikin	Altherma 4 EPSK 06/08/10/12/14A	Micon ID 23018602	-	Modbus TCP	Controlling via SG Ready	No	Alpha
Daikin	Altherma 4 EPBX10/14A	Micon ID 23018602	-	Modbus TCP	Controlling via SG Ready	No	Alpha
Daikin	Altherma 4 EPVX10/14A	Micon ID 23018602	-	Modbus TCP	Controlling via SG Ready	No	Alpha
Daikin	Altherma 4 EPSX(B)10/14A	Micon ID 23018602	-	Modbus TCP	Controlling via SG Ready	No	Alpha
myPV	AC-Thor			Modbus TCP	Interface for controlling an electric heating rod	CRITICAL	Stable
myPV	AC-Thor 9S			Modbus TCP	Interface for controlling an electric heating rod	CRITICAL	Stable
myPV	AC-ELWA-E			Modbus TCP	Interface for controlling an electric heating rod	No	Alpha
myPV	AC-ELWA 2			Modbus TCP	Minimum firmware: 207.0, Interface for controlling an electric heating rod	No	Alpha
Stiebel Eltron	WPL-A		WPMsystem	Modbus TCP	Controlling via SG Ready	No	Beta
Vaillant	aroTHERM pure		VR920, VR921 or VR940f	EEBUS	Monitoring via MPC and controlling via OHPCF use cases	No	Alpha
Vaillant	flexoTHERM/flexoCOMPACT exclusive		VR920, VR921 or VR940f	EEBUS	Monitoring via MPC and controlling via OHPCF use cases	No	Alpha

OEM	Model	Min. Firmware	Communication module	Protocol	Comment	Sensitivity	Development stage
Vaillant	eloBLOCK	375.02.01	VR920, VR921 or VR940f	EEBUS	Monitoring via MPC and §14a compliance via LPC use cases	No	Alpha
Vaillant	aroTHERM split	351.09.01	VR920, VR921 or VR940f	EEBUS	Controlling via OHPCF, Monitoring via MPC and §14a compliance via LPC use cases	No	Alpha
Vaillant	aroTHERM plus	351.09.01	VR920, VR921 or VR940f	EEBUS	Controlling via OHPCF, Monitoring via MPC and §14a compliance via LPC use cases	No	Alpha
Vaillant	recoCOMPACT	351.09.01	VR920, VR921 or VR940f	EEBUS	Controlling via OHPCF, Monitoring via MPC and §14a compliance via LPC use cases	No	Alpha
Vaillant	versoTHERM	351.09.01	VR920, VR921 or VR940f	EEBUS	Controlling via OHPCF, Monitoring via MPC and §14a compliance via LPC use cases	No	Alpha
Vaillant	aroTHERM split plus	405.03.02	VR920, VR921 or VR940f	EEBUS	Controlling via OHPCF, Monitoring via MPC and §14a compliance via LPC use cases	No	Alpha
Vaillant	geoTHERM 3 kW		VR920, VR921 or VR940f	EEBUS	Monitoring via MPC use case	No	Alpha
Viessmann	Vitotronic 200 WO1B	13.03.2017	Vitoconnect	EEBUS	The use of the asset requires an agreement between customer and Viessmann	CRITICAL	Stable
Viessmann	Vitotronic 200 WO1C	13.03.2017	Vitoconnect	EEBUS	The use of the asset requires an agreement between customer and Viessmann	CRITICAL	Stable
Viessmann	Vitotronic 200 WO1D	13.03.2017	Vitoconnect	EEBUS	The use of the asset requires an agreement between customer and Viessmann	CRITICAL	Stable

7. Data logger

OEM	Model	Suitable for Dynamic Load Management	Protocol	Sensitivity	Development stage
Jean Müller	PLVario NET	No	Modbus TCP	No	Alpha

8. Meter

8.1. Grid connection point meter (GCP)

OEM	Model	Suitable for Dynamic Load Management	Protocol	Sensitivity	Development stage	Comment
Chint	DTSU666 (only in combination with compatible inverters)	No	Modbus TCP	No	Alpha	
Eastron	SDM72DM	untested	Modbus RTU	CRITICAL	Stable	
Eastron	SDM230	untested	Modbus RTU	CRITICAL	Stable	
Enphase	Envoy-S meter	No	HTTPS	CRITICAL	Stable	Only in combination with Envoy-S + IQ inverters
Fronius	Smart meter	No	Modbus TCP via Inverter	CRITICAL	Stable	Only compatible with the integrated inverter and SunSpec protocol
Janitza	UMG 96 RM	Yes	Modbus TCP	CRITICAL	Stable	
Janitza	UMG-604	Yes	Modbus TCP	No	Beta	
Janitza	UMG-604E	Yes	Modbus TCP	No	Beta	
Janitza	UMG-605 PRO	Yes	Modbus TCP	No	Alpha	
Janitza	UMG-806	Yes	Modbus TCP	No	Alpha	
Jean Müller	PLMulti-II	untested	Modbus RTU	No	Alpha	
Kostal	KSEM	Yes	Modbus TCP via Inverter	CRITICAL	Stable	
Landis+Gyr	ZMD4xx	Yes	Modbus RTU via CU-XE 211	No	Alpha	
Sagemcom	T210-D	No	OBIS IDs via P1	CRITICAL	Stable	
ISKRA	AM550	No	OBIS IDs via P1	CRITICAL	Stable	
Phoenix Contact	EEM-MA770-R	Yes	Modbus TCP	No	Alpha	
Phoenix Contact	EEM-MA770	Yes	Modbus TCP	No	Alpha	
Phoenix Contact	EEM-MA370	Yes	Modbus TCP	No	Alpha	
Phoenix Contact	EEM-MB370	Yes	Modbus TCP	No	Alpha	
Phoenix Contact	EEM-MA771-R	Yes	Modbus TCP	No	Alpha	
Phoenix Contact	EEM-MA771	Yes	Modbus TCP	No	Alpha	
Phoenix Contact	EEM-MA371	Yes	Modbus TCP	No	Alpha	
Phoenix Contact	EEM-MA370-R	Yes	Modbus TCP	No	Alpha	
Phoenix Contact	EEM-MA371-R	Yes	Modbus TCP	No	Alpha	
Phoenix Contact	EEM-MB371	Yes	Modbus TCP	No	Alpha	
Phoenix Contact	EEM-MA770-24DC	Yes	Modbus TCP	No	Alpha	
Phoenix Contact	EEM-MB371-24DC	Yes	Modbus TCP	No	Alpha	
Phoenix Contact	EEM-MA371-24DC	Yes	Modbus TCP	No	Alpha	
Phoenix Contact	EEM-MA370-24DC	Yes	Modbus TCP	No	Alpha	
Phoenix Contact	EEM-MA771-24DC	Yes	Modbus TCP	No	Alpha	
Phoenix Contact	EEM-MB370-24DC	Yes	Modbus TCP	No	Alpha	
Powerside	PQube 3	Yes	Modbus TCP	No	Alpha	
PPC	LTE Smart Meter Gateway	No	Custom Ethernet RJ45 protocol	No	Alpha	
Schneider	PM5563RD	No	Modbus TCP	No	Alpha	

OEM	Model	Suitable for Dynamic Load Management	Protocol	Sensitivity	Development stage	Comment
Shelly	Pro 3EM	No	HTTP / API Gen2	No	Beta	
Siemens	PAC2200	Yes	Modbus TCP	CRITICAL	Stable	
Siemens	PAC3200	Yes	Modbus TCP	CRITICAL	Stable	
Siemens	PAC3220	untested	Modbus TCP	CRITICAL	Stable	
Siemens	PAC4200	Yes	Modbus TCP	CRITICAL	Stable	
SMA	Energy Meter	untested	Custom UDP multicast based protocol (Speedwire)	CRITICAL	Stable	
SMA	Energy Meter-20	untested	Custom UDP multicast based protocol (Speedwire)	CRITICAL	Stable	
SMA	Sunny Home Manager 2.0	Yes	Custom UDP multicast based protocol (Speedwire)	CRITICAL	Stable	
SolarEdge	Wattnode	No	Modbus TCP via Inverter	CRITICAL	Stable	
TQ (B-control)	EM 300	Yes	Modbus TCP	CRITICAL	Stable	
TQ	EM 410	untested	EEBUS	No	Beta	
TQ	EM 420	Yes	Modbus TCP	CRITICAL	Stable	

8.2. Intelligent metering systems (iMSys)

OEM	Model	Protocol	Firmware	Sensitivity	Development stage
PPC	CLS Adapter Steuerung	EEBUS	min. FW 2.3.0	No	Alpha
Prolan	STB 142 (FNN LH 1.2)	EEBUS	min. FW Version 0.73	No	Alpha
Theben SE	CONEXA 3.0 with control module	EEBUS	min. FW v1.19.0	No	Alpha

9. I/O adapter

OEM	Model	Protocol	Sensitivity	Development stage
Wago	750-362	Modbus TCP	No	Beta
Wago	750-891	Modbus TCP	No	Beta
Janitza	UMG-508	Modbus TCP	No	Alpha
Rutenbeck	TCR IP4	Modbus TCP	CRITICAL	Stable

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