






TESVOLT ENERGY MANAGER – COMPATIBILITY OVERVIEW


We include devices that can process Modbus protocols in the TESVOLT compatibility list on request. This may come at an additional cost. The Modbus protocols themselves must be provided by the customer.

All devices are only compatible with TESVOLT Energy Manager KC4S and only with the latest software version 1.24. If you do not have this version, please contact TESVOLT.

PV inverters




| Manufacturer | Model | Protocol(s) | Communication interface | Note |
|---|---|----------------|-------------------------|---|
|  | Tripower STP 4.0, STP 5.0, STP 6.0, STP 8.0, STP 10.0, 5000TL-20, 6000TL-20, 7000TL-20, 8000TL-10, 8000TL-20, 9000TL-20, 10000TL-10, 10000TL-20, 11000TL-20, 12000TL-10, 12000TL-20, 15000TL-10, 15000TL-30, 17000TL-10, 20000TL-30, 25000TL-30 | Modbus Sunspec | Ethernet RJ45 | Is the inverter you're looking for not listed? It is very likely that similar models will also be compatible: this is something we can check swiftly. |
| | Tripower X | Modbus Sunspec | Ethernet RJ45 | |
| | Tripower Core 1 (STP50-40, STP50-41) | Modbus Sunspec | Ethernet RJ45 | |
| | Tripower Core 2 (STP110-60) | Modbus Sunspec | Ethernet RJ45 | |
|  | SE XXXX (single-phase) | Modbus Sunspec | Ethernet RJ45 | On request |
| | SE XXk (three-phase) | Modbus Sunspec | Ethernet RJ45 | |
| | SE HD Wave/SE XXXXH | Modbus Sunspec | Ethernet RJ45 | |
| | SE XXK-RWS | Modbus Sunspec | Ethernet RJ45 | |

| | | | | |
|--|---|---------------------------|-------------------------|--|
|  | Plenticore (PV) | Modbus Sunspec | Ethernet RJ45 | |
| | Piko alt | Modbus Sunspec | Ethernet RJ45 | |
| | Piko IQ 4.2, 5.5, 7.0, 8.5, 10 | Modbus Sunspec | Ethernet RJ45 | |
| | Piko 12, 15, 17, 20 | Modbus Sunspec | Ethernet RJ45 | It is highly likely that further versions can be implemented without any issues. |
|  | Primo | Modbus Sunspec | Ethernet RJ45 | On request |
| | Galvo | Modbus Sunspec | Ethernet RJ45 | On request |
| | Symo | Modbus Sunspec | Ethernet RJ45 | |
| | Gen24 | Modbus Sunspec | Ethernet RJ45 | Requires additional meter |
|  Clean power for all | SG10KTL / SG12KTL / SG15KTL / SG20KTL / SG30KTL / SG36KTL / SG40KTL / SG60KTL / SG80KTL / | Modbus/TCP, Modbus/RTU | Ethernet RJ45, RS485 | |
| | SG30KU / SG36KU / SG60KU | Modbus/TCP, Modbus/RTU | Ethernet RJ45, RS485 | |
| | SG5KTL-MT / SG6KTL-MT / SG8KTL-M / SG10KTL-M / SG10KTL-MT / SG12KTL-M / SG15KTL-M / SG17KTL-M / SG20KTL-M / SG30KTL-M / SG30KTL-M-V31 / SG33KTL-M / SG36KTL-M / SG40KTL-M / SG50KTL-M / SG50KTL-M-20 / SG60KTL-M / SG80KTL-M / SG80KTL-20 / | Modbus/TCP, Modbus/RTU | Ethernet RJ45, RS485 | |
| | LP_P34KSG | Modbus/TCP, Modbus/RTU | Ethernet RJ45, RS485 | |
| | SG33K3J / SG49K5J / SG34KJ | Modbus/TCP, Modbus/RTU | Ethernet RJ45, RS485 | |
| | SG60KU-M | Modbus/TCP, Modbus/RTU | Ethernet RJ45, RS485 | |

| | | | | |
|---|--|---------------------------|-------------------------|--|
|  | SG111HV / SG125HV / SG125HV-20 | Modbus/TCP, Modbus/RTU | Ethernet RJ45, RS485 | |
| | SG25CX-SA /SG30CX / SG33CX / SG36CX-US / SG40CX / SG50CX / SG60CX-US / SG75CX / SG100CX / SG100CX-JP / SG110CX / | Modbus/TCP, Modbus/RTU | Ethernet RJ45, RS485 | |
| | SG250HX / SG250HX-US / SG250HX-IN / | Modbus/TCP, Modbus/RTU | Ethernet RJ45, RS485 | |
| | SG3.0RT / SG4.0RT / SG5.0RT / SG6.0RT / SG7.0RT / SG8.0RT / SG10RT / SG12RT / SG15RT / SG17RT / SG20RT | Modbus/TCP, Modbus/RTU | Ethernet RJ45, RS485 | |







*A firmware update is required for all the inverters listed!

Battery inverters


| Manufacturer | Model | Protocol(s) | Communication interface | Note |
|--|-------------------------|----------------|-------------------------|--|
|  | STPS X 30/STPS X 50 | Modbus Sunspec | Ethernet RJ45 | Compatible cabinet system: TS HV 30-80 E Compatible container system: TPS HV 80 E |
|   | TESVOLT PCS/Gridcon PCS | Modbus/TCP | Ethernet RJ45 | Compatible cabinet systems: TS-I HV, TS-I HV (E) |

Charging stations

| Manufacturer | Model | Protocol(s) | Communication interface | Charging points (CP) | Charging type | | Max. charging power per CP | Energy meter | | | Access control | | Note |
|-------------------|-----------------------------|------------------------|-------------------------|----------------------|---------------|----|----------------------------|--------------|---------------------------------|----------|----------------|-----|------|
| | | | | | AC | DC | | Uncalibrated | MID | ME | RFID | Key | |
| KEBA | P30 c series | Modbus/TCP, UDP | Ethernet RJ45 | 1 | ✓ | | 22 kW | Optional | Optional | Optional | Optional | | |
| | P30 x series | Modbus/TCP, UDP | Ethernet RJ45 | 1 | ✓ | | 22 kW | Optional | Optional | Optional | Optional | | |
| | German edition | Modbus/TCP, UDP | Ethernet RJ45 | 1 | ✓ | | 11 kW | Optional | Optional | Optional | Optional | | |
| wallbe® | Pro | Modbus/TCP, Modbus/RTU | Ethernet RJ45, RS485 | 1 | ✓ | | 22 kW | | ✓ External meter recommended | | ✓ | ✓ | |
| | Eco 2.0 22 kW | Modbus/TCP, Modbus/RTU | Ethernet RJ45, RS485 | 1 | ✓ | | 22 kW | | | | Optional | ✓ | |
| MENNEKES | Amtron Xtra | Modbus/TCP | Ethernet RJ45 | 1 | ✓ | | 22 kW | | ✓ | | ✓ | ✓ | |
| | Amtron Premium | Modbus/TCP | Ethernet RJ45 | 1 | ✓ | | 22 kW | | ✓ | | ✓ | ✓ | |
| | Amtron Professional (+) PnC | Modbus/TCP | Ethernet RJ45 | 2 | ✓ | | 22 kW | | ✓ | | ✓ | | |
| HEIDELBERG | Energy control | Modbus/RTU | RS485 | 1 | ✓ | | 11 kW | | | | Optional | ✓ | |
| | connect.home | Modbus/TCP | Ethernet RJ45 | 1 | ✓ | | 11 kW | | | | ✓ | | |

| | | | | | | | | | | | | | |
|---|----------------------------------|--|----------------------|----|---|---|-------------------|--|------------------------------|--|----------|----------|---|
|  | Local energy management (LEM) | Modbus/TCP | Ethernet RJ45 | 40 | ✓ | | 22 kW | | | | | | On request |
| | ECOLECTRA | Only with Modbus/TCP-capable baseboard | Ethernet RJ45 | 2 | ✓ | | 22 kW | | ✓ | | ✓ | | |
| | basicEvo | Modbus/RTU | RS485 | 1 | ✓ | | 11 kW | | | | Optional | Optional | |
| | smartEvo | Modbus/TCP | Ethernet RJ45 | 1 | ✓ | | 11 kW | | ✓ | | ✓ | | |
|  | Duo WM/PM/BM (formerly Advanced) | Modbus/TCP | Ethernet RJ45 | 2 | ✓ | | 22 kW | | ✓ | | ✓ | | |
| | CITO 500 | Modbus/TCP | Ethernet RJ45 | 2 | ✓ | ✓ | 22 kW AC/50 kW DC | | ✓ | | ✓ | | |
|  | Alpha XT | Modbus/RTU | RS485 | 2 | ✓ | | 11 kW | | | | Optional | | |
|  | cPμ1 | HTTP | Ethernet RJ45 | 1 | ✓ | | 13.8 kW | | External eCB1 meter required | | | | Can only be controlled via an external eCB1 |
| | Cph1 | HTTP | Ethernet RJ45 | 1 | ✓ | | 22 kW | | ✓ (internal eCB1 meter) | | ✓ | ✓ | |
|  | Live | Modbus/TCP, Modbus/RTU | Ethernet RJ45, RS485 | 1 | ✓ | | 22 kW | | ✓ | | ✓ | | |
|  | Eve Single Pro-Line | Modbus/TCP | Ethernet RJ45 | 1 | ✓ | | 22 kW | | ✓ | | ✓ | | On request |
| | Eve Double Pro-Line | Modbus/TCP | Ethernet RJ45 | 2 | ✓ | | 22 kW | | ✓ | | ✓ | | On request |
| | Eve Double PG-Line | Modbus/TCP | Ethernet RJ45 | 2 | ✓ | | 22 kW | | ✓ | | ✓ | | On request |

Electricity meters

| Manufacturer | Model | Protocol(s) | Communication interface | Phases | | Measurement type | | Digital contacts | | Note |
|---|-----------------|-------------|-------------------------|--------|---|----------------------------|---|------------------|--------|------|
| | | | | 1 | 3 | Direct (I _{max}) | Secondary electricity (I _{max}) with separate transformer | Input | Output | |
| Janitza [®] | UMG 604, 806 | Modbus/RTU | RS485 | ✓ | ✓ | 65 A | 5 A | ✓ | ✓ | |
| SIEMENS | Sentron PAC1665 | Modbus/TCP | Ethernet RJ45 | ✓ | ✓ | | | ✓ | ✓ | |
| | Sentron PAC2200 | Modbus/TCP | Ethernet RJ45 | ✓ | ✓ | | | ✓ | ✓ | |
| | Sentron PAC3200 | Modbus/TCP | Ethernet RJ45 | ✓ | ✓ | | | ✓ | ✓ | |
| | Sentron PAC4200 | Modbus/TCP | Ethernet RJ45 | ✓ | ✓ | | | ✓ | ✓ | |
|  | EnergyMeter | Speedwire | Ethernet RJ45 | ✓ | ✓ | 63 A | 5 A | | | |


Heat and cooling meters

| Manufacturer | Model | Protocol(s) | Communication interface | Note |
|---------------------|---------------|-------------|-------------------------|------|
| kamstrup | MULTICAL 603 | Modbus/TCP | Ethernet RJ45 | |
| WDV® MOLLINÉ | Ultramess 603 | Modbus/TCP | Ethernet RJ45 | |
| | Supercal 531 | Modbus/TCP | Ethernet RJ45 | |


Air pressure and gas meters

| Manufacturer | Model | Protocol(s) | Communication interface | Note |
|----------------------------------|----------|---------------------------|-------------------------|------|
| berg Member of VIVAVIS | BMG 1020 | Modbus/TCP, Modbus/RTU | Ethernet RJ45, RS485 | |


Heat pumps

| Manufacturer | Model | Protocol(s) | Communication interface | Note |
|---|-------|-------------|--|------------|
|  | | UDP | USB, digital contacts, separate KMTronic hardware | On request |


Heating rods

| Manufacturer | Model | Protocol(s) | Communication interface | Note |
|---|------------|-------------|-------------------------|------|
|  | AC THOR | Modbus/TCP | Ethernet RJ45 | |
| | AC THOR 9s | Modbus/TCP | Ethernet RJ45 | |
| | AC ELWA-E | Modbus/TCP | Ethernet RJ45 | |

Fuel cells

| Manufacturer | Model | Protocol(s) | Communication interface | Note |
|---|---------------|-------------|-------------------------|------|
|  | BlueGEN BG-15 | Modbus/TCP | Ethernet RJ45 | |

CHP units

| Manufacturer | Model | Protocol(s) | Communication interface | Note |
|---|--------------|-------------|-------------------------|---|
|  | g-box 50plus | Modbus/TCP | Ethernet RJ45 | An Anybus gateway and a g-box are required to communicate with the CHP unit. If the connection is interrupted, the CHP unit must be manually returned to the external control mode so its output can be controlled. Otherwise, the measurement values can only be read. |

Legal notice

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