VOLTRADER

Supported Manufacturer and Devices via LAN / WLAN

battery: x = normal support, ● active battery control

House installation components

House installation components	Meter	Pv	Battery	Wallbox	Additional Information
AXITEC AXIhvcon 5H - 10H	x	x			
Acrel ADW300 Wireless Metering Meter	x	x		x	
Ads-tec StoraXe			x		
Alpha ESS Storion SMILE	x	x	x		
Anker Micro Inverter		x			
Bosswerk Micro Inverter		x			
Carlo Gavazzi EM/ET 330/340	x			x	
Carlo Gavazzi EM24	x			x	
cfos PowerBrain Meter				x	
Deye 3p Hybrid Inverter	x	x	●		
Deye Micro inverter		x			
Deye Storage inverter	x	x	x		
Deye String inverter		x			
Discovergy	x	x			
DSMR	x				
E3/DC	x	x	●		Username and password are identical to Web Portal or My E3/DC App access. Key (=RSCP-Password) must be set in the E3/DC System at Personalize/User Profile. Note: Active battery control will override Smart-Power/Operating Range settings.

Device					Notes
Enphase IQ Envoy	x	x	x		Only batteries of type "AC Battery" are currently supported by Enphase-API.
ESPHome DSMR	x				
Fenecon	x	x	x		
FoxESS H1 Series Hybrid Inverter		x	x		
FoxESS H3 Series Hybrid Inverter	x	x	●		
Fronius Ohmpilot	x				
Fronius Primo GEN24 Plus	x	x	x		
Fronius Solar API V1	x	x	●		Username and password are only required for active battery control. Attention: Active battery control should only be used if no other settings for time-dependent battery control were made in the inverter configuration under "Energy Management" - "Battery Management", as existing settings will be overwritten.
Fronius Symo Gen 24 Plus	x	x	x		
Ginlong Solis Hybrid Inverter	x	x	x		
Ginlong Solis Inverter	x	x			
go-e Controller	x	x			
Goodwe ET/EH/BH/BT Hybrid Inverter	x	x	●		
Growatt Hybrid Inverter	x	x	x		
Growatt TL-X Hybrid Inverter	x	x	x		
HomeWizard Wi-Fi P1 Meter	x	x			
Hoymiles HM & HMS Serie		x			via OpenDTU
Huawei Smartlogger	x	x	●		
Huawei SUN2000 SDongle		x			Needs "Modbus/TCP". Activation using "maintenance access" within the communication settings of the inverter.
Huawei SUN2000 SDongle & Power Sensor	x	x	●		Needs "Modbus/TCP". Activation using "maintenance access" within the communication settings of the inverter.
Janitza B Series	x			x	
KEBA KeContact	x				
Kostal Piko Hybrid	x	x	x		
Kostal Piko MP Plus	x				
Kostal Piko BA	x	x			
Kostal Plenticore Hybrid		x	●		Only a single system may access the inverter! For active battery control, the external battery control via Modbus must be activated using installer access.

Device	Col1	Col2	Col3	Col4	Notes
Kostal Smart Energy Meter	x				
Kostal Smart Energy Meter (via Inverter)	x				The energy meter must be installed in sensor position 2 (grid connection). Sensor position 1 (House consumption) is not supported.
LG ESS Home 8/10	x	x	x		
Loxone Miniserver	x	x	x	x	username, password, meterblock, socblock required
my-pv ELWA2/ELWA-E/AC THOR/Wifi Meter	x				
OpenEMS	x	x	x		
P1 Monitor	x				
Plexlog	x	x	x		
Powerdog	x	x			
Powerfox Poweropti	x	x			
Qcells Q.HOME ESS HYB-G3	x	x	●		
RCT Power	x	x	x		
SAJ H2 Series Hybrid Solar Inverter	x	x	x		
SAX Homespeicher	x		●		
SENEC Home	x	x	x		
Senergy SE 4/5/6/G2 Inverter		x			
Shelly 3EM	x	x	x		
Shelly Pro 3EM	x	x	x		
Siemens 7KT1665	x			x	
Siemens PAC 2200	x			x	
SMA Data Manager	x	x	x		In the web interface of the SMA Data Manager you need to activate "Modbus Server activated" in the section "External communication".
SMA Energy Meter	x	x			
SMA Smart Energy Hybrid WR	x	x	●		
SMA Sunny Boy Storage 1.5/2.0/2.5			●		
SMA Sunny Boy Storage 3.7/5.0/6.0			●		
SMA Sunny Home Manager 2.0	x				
SMA Sunny Island			●		
SMA WebBox	x				
SMA Wechselrichter (Modbus)		x			
SMA Wechselrichter (Speedwire)		x	x		
Smartfox Box/Reg/Reg	x	x			

Device	1	2	3	4	Notes
SofarSolar HYD 3 6K-EP	x	x	x		It is recommended to establish the connection via a LSE-3 logger stick using ModBus TCP (LSW-3 WiFi stick is not supported).
SofarSolar HYD 5 20K-3PH	x	x	x		It is recommended to establish the connection via a LSE-3 logger stick using ModBus TCP (LSW-3 WiFi stick is not supported).
SofarSolar Hybrid Inverter	x	x	x		
SofarSolar SOFAR 5 24KTL-G3	x	x	x		It is recommended to establish the connection via a LSE-3 logger stick using ModBus TCP (LSW-3 WiFi stick is not supported).
SofarSolar SOFAR 80 136KTL	x	x	x		It is recommended to establish the connection via a LSE-3 logger stick using ModBus TCP (LSW-3 WiFi stick is not supported).
SolarEdge Hybrid Inverter	x	x	●		Only one system can and may have a Modbus TCP connection to the inverter at the same time! For optional battery control, StorageConf_CtrlMode (0xE004) must be set to 4 "Remote" that is most easily achieved by setting the battery mode to "Time of Use" e.g. in the MySolarEdge-App.
SolarEdge Wechselrichter	x	x			Only one system may access the inverter!
Solarlog	x	x			We recommend to use this device for grid power values only, if no other device is available providing this data. If you have a home battery installed, please do not use this device at all for grid power values.
SolarMax MAX.Storage	x	x	x		
SolarMax MAX.Storage Ultimate	x	x	x		
SolarMax SMT		x			
SolarMax SP Series Inverter		x			
Solarwatt EnergyManager & EM Pro	x	x	x		
Solarwatt MyReserve & MyR Matrix	x	x	x		
Solax Hybrid X1/X3 G3/G4	x	x	●		
Solax Hybrid Wechselrichter (Cloud)	x	x	x		The Solax hybrid inverter has to be registered in the SolaxCloud. Charging by PV will not be optimal because of this! Only use as fallback if no local access is available.
Solax PV Wechselrichter (Cloud)		x			The Solax hybrid inverter has to be registered in the SolaxCloud. Charging by PV will not be optimal because of this! Only use as fallback if no local access is available.
Sonnen comfort, eco5, eco6, oem6.5	x	x	x		
Sonnen sonnenBatterie	x	x	●		For active battery control, the "JSON Write API" must be activated via the sonnenBatterie web interface (under Software-Integration) and the API token generated there must be entered in the battery configuration under token.
Steca coolcept flex		x			
Sungrow SG Series Inverter	x	x			

Device					Notes
Sungrow SH Series Hybrid Inverter	x	x	●		Connections via the WiNet-S dongle (WiFi or LAN) only work with the latest firmware.
Sunsynk 3p Hybrid Inverter	x	x	●		
Sunsynk Micro Inverter		x			
Sunsync Storage Hybrid Inverter	x	x	x		
Sunsync String Inverter		x			
Tasmota SML IR-Lesekopf		x			To be able to read the values of the smart meter for evcc correctly, the IR reader script must be changed so that the following JSON tags are generated: SML as the group name of the read parameters, Total_in for the total consumption in KWh (4 decimal places), Total_out for the total feed-in in KWh (4 decimal places), Power_curr for the current consumption or the current feed-in in W (0 decimal places)
Tesla Powerwall	x	x	●		To use the optional battery control you need to generate a refresh token for communicating with the Tesla API. The following apps allow to create the token: Auth app for Tesla (iOS), Tesla Tokens (Android), Tesla Auth (macOS, Linux)
Tibber Pulse	x				Token &homeid required
TQ Energy Manager EM2xx/EM3xx	x				token required
TQ Energy Manager EM420	x				
VARTA pulse, pulse neo, element	x	x	x		PV only available with PV sensor
Victron Energy	x	x	●		
Youless Energy Monitor	x	x			An externally connected S0 generation meter is required to record the solar production.
ZCS Azzurro Inverter, Hybrid Inverter	x	x	x		
Generic Support					
SunSpec Batterie (Model 124)			●		
SunSpec Batterie (Model 124)			●		
SunSpec Hybridwechselrichter	x	x	x		
Volkszähler HTTP API	x				url & uuid required
Volkszähler WebSocket Api	x				
vzlogger	x				
AVM FritzDECT		x		x	uri, user, password & ain (Device Backside) required
Homematic IP		x		x	device (Homematic Device ID), user, password required
myStrom Switch		x		x	
Shelly 1PM, EM, Plug S		x		x	user, password, channel required

Tasmota einphasig		x	x	x	
Tasmota dreiphasig	x	x	x	x	Meter channels 1,2,3 must be used. User, password required

Link: https://docs.evcc.io/en/docs/devices/chargers

Chargers

1P3P *Support for automatic phase switching. Wider power range (usually 1.4 to 11 kW).*
RFID *Integration of an RFID card reader for vehicle identification.*
mA *Finer charging current regulation (mA instead of A) for better use of PV surplus.*
ISO 15118 *Support for Plug & Charge (vehicle identification, SoC transmission)*

Wallboxen	1P3P	RFID	mA	ISO15118	Additional Information
ABB Terra AC			x		Requires firmware >= 1.6.5
ABL eM4 (SBCx)			x		
Alfen Eve	x		x		The "Active load balancing" license is required for external Modbus control of the charger. Enable "Active Load Balancing" and select "Energy Management System" as Data Source in the configuration. It is recommended to set "ValidityTime" ("TCP/IP EMS" menu) to 300s. When using "Double" charger both loadpoints need to be added. The the first port (or single) is accessable on ID 1, second port on ID 2.
Amperfied Wallbox connect.business		x	x		
Amperfied Wallbox connect.home		x	x		
Amperfied Wallbox connect.solar	x	x	x		
Audi Wallbox plus / pro (Beta)			x		identification of a vehicle using the RFID card is not possible. Important: A mostly flawless functionality can only be provided with an external energy meter and no usage of CT coils, due to sosftware bugs of the Wallbox. Using a LAN connection is highly recommended.

Device					Notes
Bender CC612/613		x			The 'Modbus TCP Server' must be enabled. The setting 'Register Address Set' must NOT be set to 'Phoenix' or 'TQ-DM100'. Use the third selection labeled 'Ebee', 'Bender', 'MENNEKES' etc. Set 'Allow UID Disclose' to On.
BMW i Wallbox	x	x	x		Requires firmware version 3.10.42 (C-series) bzw. 1.11 (X-series). For phase switching the Keba phase switch (KeContact S10) is also required and the switching control via Modbus must be set in the wallbox settings. For the X-series in the web menu, for the C-series via Modbus by setting the value "3" in register 5050.
cFos Power Brain, Power Brain Solar	x	x	x		The meter- if present- must be configured separately as charge meter. Phase switching is only available with the Solar variant and must be enabled by the user.
Compleo eBox			x		
CUBOS C11E, C22E		x			The 'Modbus TCP Server' must be enabled. The setting 'Register Address Set' must NOT be set to 'Phoenix' or 'TQ-DM100'. Use the third selection labeled 'Ebee', 'Bender', 'MENNEKES' etc. Set 'Allow UID Disclose' to On.
Cupra Charger Connect			x		The device has to have a fix IP address (manuall or via DHCP). The identification of a vehicle using the RFID card is not possible. Important: A mostly flawless functionality can only be provided with an external energy meter and no usage of CT coils, due software bugs of the Wallbox. Using a LAN connection is highly recommended.
Cupra Charger Pro			x		identification of a vehicle using the RFID card is not possible. Important: A mostly flawless functionality can only be provided with an external energy
Dadapower Premium Wallbox	x	x	x		
DaheimLaden Wallbox					Wallbox must be operated with a recent firmware including Modbus support. Furthermore, "Nachladen" (Smart) or "RSDA" (Touch) must be activated in settings.
Delta AC Max Basic		x	x		
Delta AC Max Smart		x	x		
Delta SLIM Charger		x	x		
Delta Fast Charger		x	x		
E.ON Drive eBox			x		
E.ON Drive vBox					
E3/DC Easy Connect		x	x		DIP switch 10 at the controller needs to be set to 'ON'. A recent controller firmware is recommended.

Easee Home	x	x			
Ebee Wallbox		x			The 'Modbus TCP Server' must be enabled. The setting 'Register Address Set' must NOT be set to 'Phoenix' or 'TQ-DM100'. Use the third selection labeled 'Ebee', 'Bender', 'MENNEKES' etc. Set 'Allow UID Disclose' to On.
echarge cPH1					Charge mode must be configured as manual
echarge cPH2, cPµ2					
Elli Charger Connect			x		The device has to have a fix IP address (manuall or via DHCP). The identification of a vehicle using the RFID card is not possible. Important: A mostly flawless functionality can only be provided with an external energy meter and no usage of CT coils, due software bugs of the Wallbox. Using a LAN connection is highly recommended. Note: If you've added an energy meter to your charger please use the Pro or Connected+ integration.
Elli Charger Pro			x		The device has to have a fix IP address (manuall or via DHCP). The identification of a vehicle using the RFID card is not possible. Important: A mostly flawless functionality can only be provided with an external energy meter and no usage of CT coils, due software bugs of the Wallbox. Using a LAN connection is highly recommended.
EM2GO Home, Pro Power, OCPP			x		Recent firmware with Modbus support required (Home: E3C_V1.1, Pro Power: 1.01 and OCPP/ONC: 3.15)
Ensto Chago Wallbox		x			The 'Modbus TCP Server' must be enabled. The setting 'Register Address Set' must NOT be set to 'Phoenix' or 'TQ-DM100'. Use the third selection labeled 'Ebee', 'Bender', 'MENNEKES' etc. Set 'Allow UID Disclose' to On.
ESL Walli LIGHT		x	x		DIP switch 10 at the controller needs to be set to 'ON'. A recent controller firmware is recommended.
Etrel INCH			x		The charger must be switched to "Power" charging mode.
Etrel INCH Duo			x		The charger must be switched to "Power" charging mode.
Fronius Wattpilot	x	x			Requires firmware 36.3 or later.
Garo GLB, GLB+, LS4, LS4 compact		x			The 'Modbus TCP Server' must be enabled. The setting 'Register Address Set' must NOT be set to 'Phoenix' or 'TQ-DM100'. Use the third selection labeled 'Ebee', 'Bender', 'MENNEKES' etc. Set 'Allow UID Disclose' to On.

Device					Notes
go-e Charger Gemini, HOME+, Homefix (V3)	x	x			Requires firmware 052.1 or later. For 1P/3P-Phase switching the HTTP API v2 in the charger setup needs to be activated. The "simulate unplugging" option should be activated in the Go-E app ("Car" menu item).
go-e Charger HOME+, Homefix, Pro		x			Requires firmware 040.0 or later. HTTP API v1 or v2 must be activated.
HardyBarth cPH1					
HardyBarth cPH2, cPµ2					
Hesotec eSat, eBox					
Innogy eBox			x		
INRO Pantabox					
Juice Charger Me		x			The 'Modbus TCP Server' must be enabled. The setting 'Register Address Set' must NOT be set to 'Phoenix' or 'TQ-DM100'. Use the third selection labeled 'Ebee', 'Bender', 'MENNEKES' etc. Set 'Allow UID Disclose' to On.
KEBA KeContact P20, P30, C/X Series	x	x	x		Requires firmware version 3.10.42 (C-series) bzw. 1.11 (X-series). For phase switching the Keba phase switch (KeContact S10) is also required and the switching control via Modbus must be set in the wallbox settings. For the X-series in the web menu, for the C-series via Modbus by setting the value "3" in register 5050.
LadeFoxx EvLoad					
Mennekes Amedio, Amtron, Professional		x			The 'Modbus TCP Server' must be enabled. The setting 'Register Address Set' must NOT be set to 'Phoenix' or 'TQ-DM100'. Use the third selection labeled 'Ebee', 'Bender', 'MENNEKES' etc. Set 'Allow UID Disclose' to On.
Mennekes Amtron XTRA, Amtron Premium					
NRG Kick Connect					NRGkick charging unit via HTTP (older than 2022/2023)
OBO Bettermann					
OpenEVSE					Requires firmware 7.0 or later.
openWB Pro	x		x	x	
openWB series2					The wallbox has to be configured as loadpoint.
openWB Software 2.x	x		x		Requires software 2.x
Optec Mobility One		x			The 'Modbus TCP Server' must be enabled. The setting 'Register Address Set' must NOT be set to 'Phoenix' or 'TQ-DM100'. Use the third selection labeled 'Ebee', 'Bender', 'MENNEKES' etc. Set 'Allow UID Disclose' to On.
PC Electric Garo					Only devices configured as master can be used right now!
Phoenix Contact CHARX					
Phoenix Contact EM-CP-PP-ETH					

Phoenix Contact EV-CC-AC1-M3-CBC-RCM-ETH, EV-CC-AC1-M3-CBC-RCM-ETH-3G, EV-CC-AC1-M3-RCM-ETH-XP, EV-CC-AC1-M3-RCM-ETH-3G-XP		x	x		DIP switch 10 at the controller needs to be set to 'ON'. A recent controller firmware is recommended.
Porsche Mobile Charger Connect			x	x	
Porsche Mobile Charger Plus					
Pracht Alpha XT, XT+, Mono XT, MonoXT+, PNI					
Pulsatrix					
Schneider Evlink Pro					
Siemens Versicharge GEN3					Requires firmware >= 2.121.5
Skoda iV Charger Connect			x		The device has to have a fix IP address (manuall or via DHCP). The identification of a vehicle using the RFID card is not possible. Important: A mostly flawless functionality can only be provided with an external energy meter and no usage of CT coils, due software bugs of the Wallbox. Using a LAN connection is highly recommended. Note: If you've added an energy meter to your charger please use the Pro or Connected+ integration.
Skoda iV Charger Connect Plus			x		The device has to have a fix IP address (manuall or via DHCP). The identification of a vehicle using the RFID card is not possible. Important: A mostly flawless functionality can only be provided with an external energy meter and no usage of CT coils, due software bugs of the Wallbox. Using a LAN connection is highly recommended.
SMA EV Charger			x		The charger must be switched to "Fast" charging mode and the user must have "Administrator" rights.
smartWB					
SolarEdge Home EV Charger	x	x	x		Requires firmware version 3.10.42 (C-series) bzw. 1.11 (X-series). For phase switching the Keba phase switch (KeContact S10) is also required and the switching control via Modbus must be set in the wallbox settings. For the X-series in the web menu, for the C-series via Modbus by setting the value "3" in register 5050.
Sonnen sonnenCharger			x		The charger must be switched to "Power" charging mode.

Spelsberg Wallbox		x			The 'Modbus TCP Server' must be enabled. The setting 'Register Address Set' must NOT be set to 'Phoenix' or 'TQ-DM100'. Use the third selection labeled 'Ebee', 'Bender', 'MENNEKES' etc. Set 'Allow UID Disclose' to On.
Sungrow AC011E-01	x		x		
TechniSat Technivolt		x			The 'Modbus TCP Server' must be enabled. The setting 'Register Address Set' must NOT be set to 'Phoenix' or 'TQ-DM100'. Use the third selection labeled 'Ebee', 'Bender', 'MENNEKES' etc. Set 'Allow UID Disclose' to On.
Tesla TWC3					The TWC wallbox cannot be controlled directly. Control is via the vehicle. The vehicle must be associated with the TWC3 loadpoint. At this time only Tesla vehicles are supported.
TinkerForge WARP Charger Pro	x	x	x		WARP Firmware v2 required. Automatic phase switching requires the additional WARP Energy Manager.
TinkerForge WARP Charger Smart	x	x	x		WARP Firmware v2 required. Automatic phase switching requires the additional WARP Energy Manager.
TinkerForge WARP3 Charger Pro	x	x	x		The automatic phase switching for 1p vehicles must be deactivated. Siehe https://docs.warp-charger.com/docs/mqtt_http/api_reference/evse#evse_phase_auto_switch_warp3.
TinkerForge WARP3 Charger Smart	x	x	x		The automatic phase switching for 1p vehicles must be deactivated. Siehe https://docs.warp-charger.com/docs/mqtt_http/api_reference/evse#evse_phase_auto_switch_warp3.
Ubitricity Heinz		x			The 'Modbus TCP Server' must be enabled. The setting 'Register Address Set' must NOT be set to 'Phoenix' or 'TQ-DM100'. Use the third selection labeled 'Ebee', 'Bender', 'MENNEKES' etc. Set 'Allow UID Disclose' to On.
Vestel EVC04 Home Smart, Connect Plus					
Victron EV charging station					Enter the host of the charger (not the GX device) and ensure that the charger is in manual mode.
Victron EV charging station GX					Enter the host of the GX device (not the charger). The charger has to be in manual mode and Modbus has to be configured for ID 100.
Volkswagen ID. Charger Connect			x		The device has to have a fix IP address (manuall or via DHCP). The identification of a vehicle using the RFID card is not possible. Important: A mostly flawless functionality can only be provided with an external energy meter and no usage of CT coils, due software bugs of the Wallbox. Using a LAN connection is highly recommended. Note: If you've added an energy meter to your charger please use the Pro or Connected+ integration.

Volkswagen ID. Charger Pro			x		The device has to have a fix IP address (manuall or via DHCP). The identification of a vehicle using the RFID card is not possible. Important: A mostly flawless functionality can only be provided with an external energy meter and no usage of CT coils, due software bugs of the Wallbox. Using a LAN connection is highly recommended.
Wallbe Eco, Eco 2.0, Pro		x	x		DIP switch 10 at the controller needs to be set to 'ON'. A recent controller firmware is recommended.
Webasto Live		x			The 'Modbus TCP Server' must be enabled. The setting 'Register Address Set' must NOT be set to 'Phoenix' or 'TQ-DM100'. Use the third selection labeled 'Ebee', 'Bender', 'MENNEKES' etc. Set 'Allow UID Disclose' to On.
Webasto Next		x			Mode "HEMS activated" must be enabled. RFID tags can only be read by evcc.
Webasto Unite					
Weidmüller AC Smart	x	x			