

## Lista dispozitivelor compatibile cu Veltol EMS

Dacă nu găsești dispozitivul tău în niciuna dintre listele de mai jos, te rugăm să ne trimiți o solicitare la [office@veltol.com](mailto:office@veltol.com) și îl vom adăuga la lista de dispozitive compatibile.

Dacă lista de dispozitive compatibile afișată pe controllerul tău Veltol EMS nu corespunde setului de dispozitive compatibile, actualizează Veltol EMS cu cel mai recent software („firmware”). Pentru actualizarea software-ului, trimite o cerere de actualizare la [office@veltol.com](mailto:office@veltol.com).

### Contoare de energie electrică

Dispozitiv	TCP/IP*	RS485	M-bus	OCP	TTL	Nivel de integrare
ABB B23/B24		Modbus				Read
ABB M4M 2X		Modbus				Read
Acrel DTSD1352		Modbus				Read
Acuvim 2		Modbus				Read
Algodue UPM209		Modbus				Read
Austa Hybrid Inverter 1P - Energy/CT meter		Modbus				Read
Austa Hybrid Inverter 3P - Energy/CT meter		Modbus				Read
Carlo Gavazzi EM24	Modbus					Read
Carlo Gavazzi EM300/ET300		Modbus				Read
Chint DDSU666		Modbus				Read
Chint DTSU666		Modbus				Read
Circutor CEM M-ETH	Modbus	Modbus				Read
Circutor CVM-C10		Modbus				Read
Currently One	Server Sent Event (SSE)					Read
DSMR / IEC 62056-21		Modbus				Read
Deye Hybrid Inverter 1P - Energy/CT meter		Modbus				Read
Deye Hybrid Inverter 3P - Energy/CT meter		Modbus				Read
Deye Hybrid Inverter High Voltage 3P - Energy/CT meter		Modbus				Read
ENSET energy meter	Modbus	Modbus				Read
Entes MPR 1X	Modbus	Modbus				Read

Entes MPR 2X	Modbus	Modbus				Read
Etreload Load Guard		Modbus				Read
Eastron SDM630		Modbus				Read
Enkapsis energy meter	Modbus					Read
FOX ESS AIO H3		Modbus				Read
FOX ESS H3		Modbus				Read
Fenecon Hybrid Inverter - Energy meter		Modbus				Read
GARO GNM3D/T Series		Modbus				Read
Goodwe 3P	Modbus	Modbus				Read
GridWatch	Modbus					Read
HIQ PM3-E-D-CT		Modbus				Read
Holley DTSD54					DSMR	Read
Hoymiles Hybrid Inverter - Energy meter		Modbus				Read
Huawei DDSU666-H	Modbus	Modbus				Read
Huawei DTSU666-H	Modbus	Modbus				Read
Huawei SUN2000 1P	Modbus	Modbus				Read
Huawei SUN2000 3P	Modbus	Modbus				Read
Huawei SmartLogger		Modbus				Read
IME Nemo 96 HDLe	Modbus					Read
Inepro PRO 380 MOD		Modbus				Read
Iskra MI7130/7140/7140T/7150/Q96		DLMS				Read
Iskra Power Quality Analyzer MC784/iMC 784	Modbus					Read
Iskra Smart energy Meter IE38Mx		Modbus				Read
Iskra WM3x6		Modbus				Read
Iskraemeco AM550					DLMS-push	Read
Iskraemeco MT880		DLMS				Read
Iskraemeco Mx38x		Modbus				Read
Janitza UMG 96	Modbus	Modbus				Read
Janitza UMG 604 Pro	Modbus					Read
Janitza UMG 806	Modbus					Read
Kaifa MA304					DLMS-push	Read
Kamstrup OMNIA					DLMS-push	Read
Landis+Gyr E350		DLMS				Read
Landis+Gyr E360		DLMS				Read
Landis+Gyr E450		DLMS				Read
Landis+Gyr E570		DLMS				Read
Landis+Gyr E650		DLMS				Read
Landis+Gyr E660		DLMS				Read

Lovato Electric DMG series	Modbus					Read
LOYTEC LGATE-902	Modbus	Modbus				Read
Meatrol ME131	Modbus					Read
Phoenix contact EEM-MA371 / EEM-MA370-R	Modbus					Read
Sagemcom T210					DLMS-push	Read
Sagemcom T211					DLMS-push	Read
Sanxing S34U18					DLMS-push	Read
Sanxing SX6X1					DLMS-push	Read
Say Electric H2/HS2/AS2	Modbus					Read
Schneider Electric iEM3000 series		Modbus				Read
Schneider Electric PM51xx / PM53xx		Modbus				Read
Schneider Electric PM710		Modbus				Read
Schrack MGRZK465		Modbus				Read
Schrack MGX20406		Modbus				Read and Control
Schrack NA96		Modbus				Read and Control
Shelly 2.5	REST API					Read and Control
Shelly 3EM	REST API					Read and Control
Shelly Plug / PlugS	REST API					Read and Control
Shelly Plus PM	REST API					Read and Control
Shelly PRO 3EM	Modbus					Read
Shelly Pro EM50	Modbus					Read
Siemens IM350 / IM150		Modbus				Read
Siemens PAC1020	Modbus	Modbus				Read
Siemens Sentron PAC2200/PAC3200	Modbus	Modbus				Read
Socomec Diris A	Modbus	Modbus				Read
Solar-Log		Modbus				Read
SolarEdge Energy Meter 1P/3P	Modbus					Read
SolarEdge WattNode WNC 3Y/3D	Modbus					Read
Solax Power X1 Hybrid G4	Modbus					Read
Solax Power X3 Hybrid G4	Modbus					Read
SMA SUNNY HOME MANAGER 2.0	Modbus					Read

SunSpec		Modbus				Read
TAB Hybrid Inverter 1P - Energy/CT meter		Modbus				Read
TAB Hybrid Inverter 3P - Energy/CT meter		REST API				Read
TQ Energy Manager		Modbus				Read
Tesla Backup Gateway		Modbus				Read
Victron Energy		Modbus				Read
WattNode WNC 3Y/3D		Modbus				Read

### Centrală fotovoltaică

Dispozitiv	TCP/IP*	RS485	M-bus	OCPP	TTL	Nivel de integrare
Austa Hybrid Inverter 1P		Modbus				Read and Control
Austa Hybrid Inverter 3P		Modbus				Read and Control
Austa String Inverter 3P		Modbus				Read and Control
Deye Hybrid Inverter 1P		Modbus				Read and Control
Deye Hybrid Inverter 3P		Modbus				Read and Control
Deye Hybrid Inverter High Voltage 3P		Modbus				Read and Control
Deye String Inverter 3P		Modbus				Read and Control
Enphase Gateway	REST API					Read and Control
FOX ESS AIO-H3 *****		Modbus				Read and Control
FOX ESS H3		Modbus				Read and Control
Fronius SYMO & TAURO (vezi și hibrid mai jos)	Modbus	Modbus				Read and Control
GoodWe Hybrid Inverter 3P		Modbus				Read and Control

Huawei SUN2000	Modbus	Modbus				Read and Control
Huawei SUN5000	Modbus	Modbus				Read and Control
Kaco		Modbus				Read
Powerone		Modbus				Read
REFUсол 20K-33K-2T		Modbus				Read and Control
REFUсол G3		Modbus				Read and Control
SMA Sunny Tripower CORE1 (STP 50-40 / STP 50-41)	Modbus					Read and Control
SMA Sunny Tripower CORE2 (STP 110-60)	Modbus					Read and Control
SMA Sunny Tripower X 12/15/20/25	Modbus					Read and Control
SMA Webbox	Modbus					Read
Sofar 70KTL G1 G2	Modbus					Read and Control
Say Electric H2/HS2/AS2	Modbus					Read and Control
SMA STP 15000 17000 20000 25000	Modbus	Modbus				Read and Control
Solar-Log	Modbus	Modbus				Read and Control
SolarEdge ***	Modbus	Modbus				Read and Control
Solax Power X1 Hybrid G4		Modbus				Read and Control
Solax X3 MIC/PRO G2		Modbus				Read and Control
Solax Power X3 Forth/Mega		Modbus				Read and Control
Solax Power X3 Hybrid		Modbus				Read and Control

G4						
Solis-(80-110)K-5G		Modbus				Read and Control
SunSpec **	Modbus	Modbus				Read
Sungrow Hybrid Inverter 3P	Modbus	Modbus				Read and Control
Sungrow String Inverter 3P	Modbus					Read and Control
TAB Hybrid Inverter 1P		Modbus				Read and Control
TAB Hybrid Inverter 3P		Modbus				Read and Control
TAB String Inverter 3P		Modbus				Read and Control
Tesla Backup Gateway	REST API					Read
Victron Energy PV Inverter	Modbus	Modbus				Read
Victron Energy Solar Charger	Modbus	Modbus				Read

### Inverter hibrid

Dispozitiv	TCP/IP*	RS485	M-bus	OCPP	TTL	Nivel de integrare	Agent AI
AlphaESS Smile Series	Modbus					Read and Control	Enabled
AlphaESS G2-H30	Modbus					Read and Control	Enabled
AlphaESS G2-H50	Modbus					Read and Control	Enabled
AlphaESS H50-G3	Modbus					Read and Control	Enabled
AUSTA Hybrid Inverter 3P		Modbus				Read and Control	
AUSTA Hybrid Inverter High Voltage 3P		Modbus				Read and Control	
Deye Hybrid Inverter 3P		Modbus				Read and Control	Enabled
Deye Hybrid Inverter High		Modbus				Read and Control	

Voltage 3P							
Dyness 200F		Modbus				Read and Control	
ENSET Hybrid Inverter	Modbus					Read and Control	
EFORE		Modbus				Read and Control	Enabled
Enjoypowers Vision	Modbus	Modbus				Read and Control	Enabled
FerroAmp EnergyHub Wall	Modbus					Read and Control	Enabled
Fronius SYMO, PRIMO, VERTO - regular, GEN24, GEN24 plus	Modbus	Modbus				Read and Control	Enabled
FOX ESS H3		Modbus				Read and Control	Enabled
FOX ESS G-MAX	Modbus					Read and Control	Enabled
GoodWe Energy Storage Inverters HV	Modbus					Read and Control	
GoodWe Hybrid Inverter 3P		Modbus				Read and Control	
GoodWe Hybrid Inverter ES G2/ET(15-30)	Modbus					Read and Control	
Growatt		Modbus				Read and Control	
GS Energy CBS		Modbus				Read and Control	
Hoymiles Hybrid Inverter		Modbus				Read and Control	
Huawei SUN2000	Modbus	Modbus				Read and Control	Enabled
Huawei SUN5000	Modbus	Modbus				Read and Control	Enabled
KSTAR	Modbus					Read and Control	

M-Tec Energy Butler		Modbus				Read and Control	
PIXII PowerSharper		Modbus				Read and Control	
PIXII PowerHome		Modbus				Read and Control	
Saj Electric H2/HS2/AS2	Modbus					Read and Control	Enabled
Saj eManager PRO	Modbus					Read and Control	
SAJ CHS2	Modbus					Read and Control	
SMA Data Manager	Modbus					Read and Control	
SMA Sunny Tripower 10.0 SE	Modbus					Read and Control	
Sigenergy Hybrid Inverter	Modbus					Read and Control	Enabled
Sofar HYD 5K-20KTL-3PH		Modbus				Read and Control	
Solax Power X1 Hybrid G4	Modbus					Read and Control	
Solax Power X3 Hybrid G4	Modbus					Read and Control	
Solinteg		Modbus				Read and Control	
Solis	Modbus					Read and Control	
Sungrow Hybrid Inverter 3P	Modbus	Modbus				Read and Control	
Sunways Hybrid Inverter		Modbus				Read and Control	
TAB Hybrid Inverter 3P		Modbus				Read and Control	
TAB Hybrid Inverter High Voltage 3P		Modbus				Read and Control	
Victron Energy MultiPlus II	Modbus	Modbus				Read and Control	

## Stocare baterii

Dispozitiv	TCP/IP*	RS485	M-bus	OCPP	TTL	Nivel de integrare	Agent Ai
Austa Hybrid Inverter 1P		Modbus				Read and Control	Enabled
Austa Hybrid Inverter 3P		Modbus				Read and Control	Enabled
CE+T Energrid PEGASUS		Modbus				Read and Control	Enabled
Deye Hybrid Inverter 1P		Modbus				Read and Control	Enabled
Deye Hybrid Inverter 3P		Modbus				Read and Control	Enabled
Deye Hybrid Inverter High Voltage 3P		Modbus				Read and Control	Enabled
ENSET Battery	Modbus	Modbus				Read and Control	Enabled
FOX ESS AIO-H3 *****		Modbus				Read and Control	Enabled
FOX ESS G-MAX	Modbus	Modbus				Read and Control	Enabled
FOX ESS H3		Modbus				Read and Control	Enabled
Fenecon Hybrid Inverter		Modbus				Read and Control	Enabled
GoodWe Hybrid Inverter 3P		Modbus				Read and Control	Enabled
GS Energy CBS V2	Modbus					Read and Control	Enabled
HOY		Modbus				Read and Control	Enabled
Huawei SUN2000	Modbus	Modbus				Read and Control	Enabled
Huawei LUNA2000B	Modbus	Modbus				Read and Control	Enabled
Huawei LUNA2000C	Modbus	Modbus				Read and Control	Enabled
Kaco Blueplanet	Modbus	Modbus				Read	Enabled
KEHUA 1500V Centralized power conversion system		Modbus				Read and Control	Enabled

Kehua C&I Storage System	Modbus					Read and Control	Enabled
KSTAR KAC125	Modbus					Read and Control	Enabled
KSTAR KAC50	Modbus					Read and Control	Enabled
PIXII PowerSharper		Modbus				Read and Control	Enabled
PIXII Home		Modbus				Read and Control	Enabled
Pramac	Modbus					Read and Control	Enabled
Rui Mega Cube / LNXALL EMS	Modbus					Read and Control	Enabled
Say Electric H2/HS2/AS2	Modbus					Read and Control	Enabled
SMA Sunny Island	Modbus					Read and Control	Enabled
SolarEdge StorEdge	Modbus	Modbus				Read and Control	Enabled
Sonnen	REST API					Read and Control	Enabled
Solax Power X1 Hybrid G4		Modbus				Read and Control	Enabled
Solax Power X3 Hybrid G4		Modbus				Read and Control	Enabled
SunSpec **	Modbus	Modbus				Read	Enabled
Sungrow Hybrid Inverter 3P	Modbus	Modbus				Read and Control	Enabled
TAB Hybrid Inverter 1P		Modbus				Read and Control	Enabled
TAB HV ESS C183 KACO	Modbus					Read and Control	Enabled
TAB HV ESS C183 SINEXCEL	Modbus					Read and Control	Enabled
TAB Hybrid Inverter 3P		Modbus				Read and Control	Enabled
Tesla Powerwall / Backup Gateway	REST API					Read	Enabled
VARTA	Modbus	Modbus				Read and Control	Enabled

Victron Energy MultiPlus II	Modbus	Modbus				Read and Control	Enabled
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### Stații de încărcare vehicule electrice

Dispozitiv	TCP/IP*	RS485	M-bus	OCPP	TTL	Nivel de integrare
ABB Terra AC wallbox	Modbus	Modbus		OCPP 1.6		Read and Control
Alfen NG9xx	Modbus			OCPP 1.6		Read and Control
Alpitronic Hypercharger	Modbus			OCPP 1.6		Read and Control
Autel	Modbus					Read and Control
Dazebox	Modbus					Read and Control
Delta	ModBus					Read and Control
Enelion Lumina	Modbus	Modbus				Read and Control
ENSET EVC1-7.4K-ACS-P / EVC1-11K-ACT-P		ModBus				Read and Control
ETI Home		ModBus				Read and Control
Etrek Inch ****	Modbus			OCPP 1.6		Read and Control
GARO Entity				OCPP 1.6		Read and Control
GL Charge GlowBox Silver		Modbus				Read and Control
GL Charge GlowBox Silver/Platinum/PublicBox	Modbus	Modbus				Read and Control
go-e Charger Gemini flex 11/22 kW *****				OCPP 1.6		Read and Control
HardyBarth cPH	REST API					Read and Control
HardyBarth cPH (Salia)	REST API					Read and Control
KEBA KeContact P30	Modbus					Read and Control
Metron Standard/Duo/Quattro + *****	Modbus			OCPP 1.6		Read and Control
Metron Smart Portable Chargers	Modbus					Read and Control

OCPP 1.6 – JSON				OCPP 1.6		Read and Control
Say Electric EVC1-7.4K-ACS-P / EVC1-11K-ACT-P	Modbus			OCPP 1.6		Read and Control
Schneider Electric EVlink Smart Wallbox	Modbus			OCPP 1.6		Read and Control
Schrack i-CHARGE CION	Modbus					Read and Control
Schrack i-CHARGE CION PRO	Modbus					Read and Control
Siemens Versicharge AC	Modbus					Read and Control
Sigenergy EV		Modbus				Read and Control
Solax X1 and X3 Energy Charger		Modbus				Read and Control
Tesla Wall Connector Gen 3	REST API					Read
V2Charge TRYDAN	Modbus					Read and Control
Victron Energy Charger	Modbus					Read and Control
Walter Werke Smart EVO	Modbus					Read and Control
xCharge C7	Modbus					Read and Control
Zaptec GO	REST API					Read and Control
Zaptec PRO	REST API					Read and Control
Zerova Energy Charger	Modbus					Read and Control

\*\*\*\*\* Pentru dispozitivele care utilizează protocolul de comunicație OCPP 1.6, selectează în Veltol EMS, din lista derulantă, dispozitivul „OCPP 1.6” atunci când adaugi un echipament nou. Lista dispozitivelor OCPP 1.6 include echipamente complet testate și funcționale, care oferă suport integral pentru „Profiluri de încărcare / Charging profiles”.

### HVAC (Pompe de căldură, Aer condiționat)

Dispozitiv	TCP/IP*	RS485	M-bus	OCPP	TTL	Nivel de integrare
AC Heating Convert AW	Modbus					Read and Control
Alpha Innotec	Modbus	Modbus				Read and Control

Ancond	Modbus					Read and Control
Andivi ANDRACO2/T/F/MD		Modbus				Read and Control
CTC	Modbus					Read and Control
Daikin ETV/ETB	Modbus					Read and Control
Daikin ELV/ELB	Modbus					Read and Control
Daikin EHV/EHB	Modbus					Read and Control
EMS Bus - Boiler - Enviline/Compress 6000AW/Hybrid 3000-7000iAW/SupraEco/Geo 5xx/WLW196i		Modbus				Read
EMS Bus - Thermostat - RC300/RC310/Moduline 3000/1010H/CW400/Sense II/HP		Modbus				Read
Gree	Modbus					Read
Itron CFE Echo II		Modbus				Read
Keba Kemro K2	Modbus					Read and Control
Kronoterm KSM	Modbus	Modbus				Read and Control
Kronoterm TT3000	Modbus	Modbus				Read and Control
Ochsner GMLW Plus	Modbus					Read and Control
MasterTherm	Modbus					Read and Control
Mitsubishi Procon A1M		Modbus				Read and Control
Nibe HBS 11B-12	Modbus	Modbus				Read
Nibe S-series	Modbus	Modbus				Read
PEGO ECP200 BASE		Modbus				Read and Control
PHNIX TMHP 9 / 15 / 22-290	Modbus	Modbus				Read and Control
Samsung		Modbus				Read and Control
Shelly 3EM	REST API					Read and Control
Shelly EM50	REST API					Read and Control

Shelly Plus/1PM/2PM	REST API					Read and Control
Shelly Pro EM50	REST API					Read and Control
Stiebel Eltron LWZ (ISG-WEB)	Modbus	Modbus				Read and Control
Stiebel Eltron WPMsystem (ISG-WEB)	Modbus	Modbus				Read and Control
TermoSmart+ HeatPump	Modbus					Read and Control
TermoSmart+ HeatPump v2	Modbus					Read and Control
Thermotion TMHP 9 / 15 / 22-290	Modbus	Modbus				Read and Control

### Rezistențe electrice

Dispozitiv	TCP/IP*	RS485	M-bus	OCPP	TTL	Nivel de integrare
Askoma Asko Heat Plus Heating Rod	Modbus					Read and Control
Askoma Asko Heat Plus 2.0 Heating Rod	Modbus					Read and Control
my-PV AC Thor Heating System	Modbus					Read and Control
my-PV AC Thor 9s Heating System	Modbus					Read and Control
my-PV AC Elwa 2 Heating Rod	Modbus					Read and Control

### Altele

Dispozitiv	TCP/IP*	RS485	M-bus	OCPP	TTL	Nivel de integrare
Generator	Modbus					Read and

Genset GSC C						Control
Shelly EM50 Switch	REST API					Read and Control
Shelly Gen 2 Temperature Add-On	REST API					Read and Control
Shelly Gen 2 Humidity Add-On	REST API					Read and Control
Shelly H&T	REST API					Read and Control
Shelly Mini 1 Gen 3	REST API					Read and Control
Shelly Plus 1	REST API					Read and Control
Shelly Plus I4	REST API					Read and Control
Shelly Pro	REST API					Read and Control
Shelly EM50 Switch	REST API					Read and Control
Shelly Mini 1 Gen 3	REST API					Read and Control
Shelly H&T	REST API					Read and Control

\* Testat doar cu conexiune LAN. Poate funcționa și prin Wi-Fi (WLAN) – însă depinde de setările, configurația și distanța rețelei tale wireless.

\*\* Conform protocolului SunSpec, lista dispozitivelor compatibile este disponibilă pe site-ul oficial SunSpec. Sursa: <https://sunspec.org/sunspec-modbus-certified-products/> . Accesat la: 1 noiembrie 2025.

\*\*\* Toate invertoarele SolarEdge care au conexiune TCP/IP sau RS485 și protocol de comunicare Modbus sunt compatibile.

\*\*\*\* Toate stațiile de încărcare Etrell care permit Modbus peste conexiune TCP/IP (Etrell INCH HOME, Etrell INCH DUO, Etrell INCH PRO).

\*\*\*\*\* Funcționează doar cu versiunea 2.

\*\*\*\*\* Pentru dispozitivele pentru care folosim protocolul OCPP 1.6, selectează în Veltol EMS din lista derulantă dispozitivul „OCPP 1.6” la adăugarea unui dispozitiv nou. Lista dispozitivelor OCPP 1.6 prezintă echipamente testate complet și funcționale, care suportă integral „Profiluri de încărcare / Charging Profiles”.