

# Comparison of wallboxes and charging stations 2024

	Manufacturer	Model	Application site			Charger connection			AC phase		DC charging	Max. charging power	Ground fault circuit interrupter**	Monitoring	Access control		Electricity meter	PV surplus charging (with accessories only)	OCPP	Networking master / slave	Advantages
			Private	Semi-public <sup>1</sup>	Public <sup>2</sup>	Socket (type 2)	Cable (type 2)	Charging points	1	3*					RFID	Key switch					
Wallbox	<b>ABL</b>	eM4	✓	✓	✓	✓	✓	1 / 2	-	✓	-	22 kW	✓	✓	✓	-	ME	-	✓	✓	Simple use of the user interface, with ABL Energy Meter dynamic load management is possible
	<b>FOX ESS</b>	Fox ESS Wallbox	✓	-	-	-	✓	1	-	✓	-	11 kW	✓	✓	✓	-	Simple electricity meter	✓...	✓	-	Residential charging solution that integrates with the overall Fox ESS system
	<b>Fronius</b>	Wattpilot Go 2.0	✓	-	-	✓	-	1	✓	✓	-	11 / 22 kW	-	✓	✓	-	Simple electricity meter	✓	✓	-	Single/three-phase alternate charging, charging according to variable electricity tariffs, comprehensive app for configuring, visualising and updating Wattpilot
	<b>GOODWE</b>	EV Charger	✓	-	-	-	✓	1	✓	✓	-	11 / 22 kW	-	✓	-	-	-	✓...	-	-	GoodWe's EV Charger has smart charging management and can be used with GoodWe inverters for PV surplus charging
	<b>HARDY BARTH</b> <small>emobilität</small>	cPμ2 - PRO	✓	✓	-	-	✓	1	-	✓	-	11 kW	-	✓	✓	-	MID	✓	-	✓	Dynamic load management - Compatible with Fronius, Kostal and SMA, also for PV surplus charging - PV surplus charging with eCB1 3M40405 (Art. 4176) also possible with other inverters, control via app
		cPH2	✓	✓	✓	✓	✓	1 / 2	-	✓	-	11 / 22 kW	-	✓	✓	-	MID / ME	✓	✓	(optional)	Compact and simple, eCB1 enables visualisation on web interface, load management of several wallboxes, energy meter and LAN connection, control via app
	<b>KEBA</b> <small>Automation by innovation.</small>	KeContact P30 C-Series	✓	✓	✓	✓	✓	1	✓	✓	-	22 kW	-	✓	-	-	Simple electricity meter / MID / ME	✓...	✓	✓	Single- or three-phase grid connection, the KeContact P30 Green Edition is CO2 neutral
		KeContact P30 X-Series	✓	✓	✓	✓	✓	1	✓	✓	-	22 kW	-	✓	-	-	Simple electricity meter	✓...	✓	✓	Dynamic load management, single- or three-phase grid connection, the KeContact P30 Green Edition is CO2 neutral
		KeContact P30 PV Edition	✓	✓	-	-	✓	1	✓	✓	-	11 kW	-	✓	-	-	ME	✓...	✓	✓	Optimized PV surplus charging with Smart Energy Meter E10 (Art. 10762), automatic phase switching with Phase Switch S10 (Art. 10763), easy management of the wallbox via KEBA eMobility App
		KeContact P30 Dienstwagen Wallbox	✓	✓	-	-	✓	1	✓	✓	-	11 kW	-	✓	-	-	ME	✓...	✓	✓	Optimized PV surplus charging with Smart Energy Meter E10 (Art. 10762), automatic phase switching with Phase Switch S10 (Art. 10763), easy management of the wallbox via KEBA eMobility App
	<b>KOSTAL</b>	Enector	✓	-	-	-	✓	1	-	✓	-	11 kW	-	✓	-	-	-	✓...	-	-	Compact, easy installation, visualization and control of the 4 charging modes (Lockmode, Classic 11 kW charging mode, Pure PV surplus charging, Mixed Charging) possible in the KOSTAL Solar Portal in conjunction with KOSTAL Smart Energy Meter and activation code.
	<b>MENNEKES®</b>	Amtron Charge Control	✓	✓	-	-	✓	1	-	✓	-	11 kW	✓	✓	-	-	Simple electricity meter	✓	✓	✓	SMA Sunny Home Manager 2.0 enables dynamic control via SMA Sunny Portal and PV surplus charging
		Amtron Professional	-	✓	✓	✓	✓	1	-	✓	-	22 kW	-	✓	-	-	ME	✓	✓	✓	Compliant with calibration law according to type examination certificate DE-20-M-PTB-0021
		Amtron 4You 310	✓	-	-	-	✓	1	-	✓	-	11 kW	-	-	✓	-	Simple electricity meter	✓...	-	-	Enables switching of charging modes via button on the wallbox and features an exchangeable front cover for flexible customization options
		Amtron 4You 560	✓	-	-	-	✓	1	-	✓	-	11 kW	-	✓	-	-	MID	✓...	✓	-	The Mennekes Amtron 4You 560 offers a free app for end customers (4Drivers App) and for the installer (4Installers App)
<b>SMA</b>	EV Charger	✓	-	-	-	✓	1	✓	-	-	7,4 kW	-	✓	-	-	MID	✓...	-	-	SMA Sunny Home Manager 2.0 offers a boost function, PV overcharging, prediction-based charging and blackout protection, utilization of small solar outputs through automatic phase switching, monitoring via Sunny Portal and SMA Energy App, grid operator interface, SMA Smart Connected	
	EV Charger Business	-	✓	✓	✓	✓	2	-	✓	-	2 x 22 kW	✓	✓	✓	-	MID / ME	✓	✓	✓	Dynamic load management up to 250 charging points/ interface for SMA eMobility Portal	
<b>solar edge</b>	Ladestation	✓	✓	-	✓	✓	1	-	✓	-	22 kW	✓	✓	✓	-	Simple electricity meter / MID / ME	✓	✓	✓	Charging solution that integrates with the entire SolarEdge ecosystem.	
<b>SUNGROW</b> <small>Clean power for all</small>	EV Charger	✓	-	-	-	✓	1	-	✓	-	11 kW	-	✓	✓	-	-	✓	✓	✓	PV surplus charging possible, easy mounting, addition to Sungrow system, stand alone installation possible	
<b>wallbox</b>	Pulsar Max	✓	✓	-	-	✓	1	-	✓	-	22 kW	-	✓	-	-	Simple electricity meter / MID (optional)	✓...	✓	✓	Compact, dynamic load management with Powermeter Charging cable can also be connected permanently, wheelchair-friendly base available, dynamic load management	
	Copper SB	✓	✓	-	✓	-	1	-	✓	-	22 kW	-	✓	-	-	Simple electricity meter / MID (optional)	✓...	✓	✓	Operation possible via touch screen, management via myWallbox business plan, dynamic load management	
	Commander 2	✓	✓	-	-	✓	1	-	✓	-	22 kW	-	✓	-	-	Simple electricity meter / MID (optional)	✓...	✓	✓	Operation possible via touch screen, management via myWallbox business plan, dynamic load management	
Charging column	<b>adstec</b> <small>Energy</small>	Charge-Post	-	✓	✓	-	✓	2	-	✓	-	300 kW (2 x 150 kW)	-	✓	✓	-	ME	-	✓	✓	Combination of battery storage (max. 201 kWh) and fast charging station, optional with 2 advertising displays
	<b>MENNEKES®</b>	Amedio Professional	-	✓	✓	✓	-	2	-	✓	-	22 kW (per charging point)	✓	✓	✓	-	ME	-	✓	✓	Plug and charge feature – ISO 15118, can bill in compliance with calibration regulations, release function in case of power failure, up to 50 charging points to backend via SIM card, load management for up to 100 charging points

\* Single-phase charging possible – lower maximum charging power (depending on the charging power of the car and/ or the charging cable).  
 \*\* If no ground fault circuit interrupter is installed, at least a type A ground fault circuit interrupter must be additionally installed! (DC fault current detection is already installed in all wallboxes).  
 \*\*\* PV surplus charging is possible with external accessories

<sup>1</sup> Semi-public space: charging stations that are only accessible to certain user groups (e.g. company parking lot, hotel parking lot, shared parking lot of apartment buildings)  
<sup>2</sup> Public space: billing in compliance with calibration law.

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