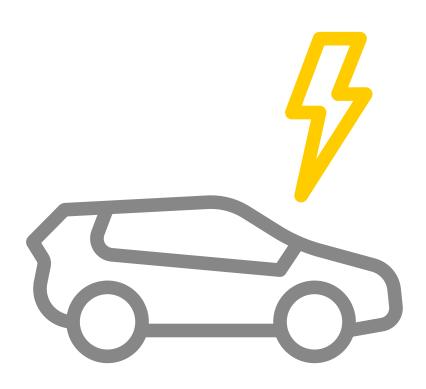
EMOBILITY PV CHARGING SOLUTIONS



PV CHARGING SOLUTIONS RESIDENTIAL COMMERCIAL





Product series		IQ EV Charger	
Product name		IQ EV Charger 2	
Wallbox / Char Charging type (Wallbox / AC	
Cable / Socket		Type 2 Cable / Female	
	Private	•	
Suitable for	Semi-public	•	
	In public	0	
Max. charging	power (kW)	22 kW	
Mains connection		1- or 3-phase 230/400V / 32A, 50Hz	
	DC residu- al current switch	DC fault current detection > 6mA (on-site Residual current circuit breaker type A required)	
Protection + access autho- rization	Dynamic load ma- nagement	0	
	RFID / App	•/•	
SMART Chargir (PV surplus (wi system), Dynar city tariffs, Mai times,Limitatio according to En	th own nic electri- nual loading on by EVU	PV surplus; dynamic electricity tariffs; fixed charging times; Limitation by EVU (via eebus)	
Collection of charging data Manufacturer portal - APP / MID meter / calibration law compliant		●/●/○	
Communication / Interfaces		WLAN, LAN, RS485, CAN	
Special features		Flexible AC connection 1- or 3-phase, autom. Phase switching;	

 $[\]ensuremath{^{**}}$ Dependent on release and provision date of the manufacturer



Product series		Wattpilot					
Product name		Wattpilot Go 11 Y / 22 J	Wattpilot Home 11 Y / 22 J	Wattpilot Flex Home 11 / 22 C6	Wattpilot Flex Pro 11 / 22 C6E		
Wallbox / Char Charging type (Wallbox / AC				
Cable / Socket		Туре 2	socket	Type 2 Cable			
	Private						
Suitable for	Semi-public	()	0	•		
	In public	()	(
Max. charging power (kW) 11 kW / 22 kW		11 kW / 22 kW	11 kW / 22 kW	11 kW / 22 kW			
Mains connection		1-phase 230 V / 3-phase 400V, 50 Hz (by means of adapter)	1-phase 230 V / 3-phase 400V, 50 Hz (fixed connec- tion)	1-phase 230 V / 3-phase 400V, 50 Hz (fixed connec- tion)	1-phase 230 V / 3-phase 400V, 50 Hz (fixed connec- tion)		
Protection + access autho- rization	DC residu- al current switch	Integrated residual current cutSwitch type A and DC fault current detection > 6mA		Integrated residual current cutSwitch type A and DC fault current detection > 6mA			
	Dynamic load ma- nagement	•		•			
	RFID / App	•,	, •	•/•			
SMART Charging Features (PV surplus (with own system), Dynamic electri- city tariffs, Manual loading times,Limitation by EVU according to EnWG 14a)		PV surplus + fixed charging times;Limitation by EVU (Via integrated analog input)	PV surplus; Dynamic elect- ricity tariffs; fixed charging times; limitation by EVU (Via integrated analog input)		ry tariffs; fixed charging times; /U (via integr.DI)		
Collection of charging data Manufacturer portal - APP / MID meter / calibration law compliant		•,0,0		•,0,0	●,●,○		
Communication / Interfaces		Wi-Fi		LAN + WLAN / 2 x DI			
Special features		Mobile solution with variable power plug and APp connection, switching 1/3-phase charge	Up to 3 systems in parallel, unlimited with EMIL control, switching 1/3-phase charge, standalone app, Eco / Next- Trip mode	Permanently installed solution for 1/3-phase AC connection, LaduNg with PV surplus, 1P/3P phase switching	Permanently installed solution for 1-/3-phase AC connection, charging with PV excess, 1P/3P phase switching, can also be used in semi-public areas by MID counters		

GOODWE

Product series		нса		HCA 2.0	
Product name		GW 11K-HCA	GW 22K-HCA	GW 11K-HCA-20	GW 22K-HCA-20
Wallbox / Char Charging type (Wallbo	ox / AC	Wallbo	ox / AC
Cable / Socket		Type 2	² Cable	Туре 2	Cable
	Private				
Suitable for	Semi-public	()
	In public	(
Max. charging	power (kW)	11 kW	11 kW 22 kW		22 kW
Mains connect	ion	3-phase 230V / 16A, 50Hz	3-phase 400V / 32A, 50Hz	3-phase 230V / 16A, 50Hz	3-phase 400V / 32A, 50Hz
	DC residu- al current switch	DC fault current detection > 6mA (on-site Residual current circuit breaker type A required)		DC fault current detection > 6mA (on-site Residual current circuit breaker type A required)	
Protection + access autho- rization	Dynamic load ma- nagement	0		•	
	RFID / App	0,	, ●	•/•	
SMART Charging Features (PV surplus (with own system), Dynamic electri- city tariffs, Manual loading times,Limitation by EVU according to EnWG 14a)		PV surplus + fixed charging times (With Goodwe system)		PV surplus + fixed charging t Limitatio	
Collection of charging data Manufacturer portal - APP / MID meter / calibration law compliant		•/0/0		•/0/0	
Communication / Interfaces		Wi-Fi		WLAN, LAN, RS485	
Special features		Close networking with Goodwe home storage system		Close networking with Goodw se switching; loa	

 $[\]ensuremath{^{**}}$ Dependent on release and provision date of the manufacturer





Product series		Huawei Smart Charger		Enector
Product name		Smart Charger AC 7.4 / 22		Enector AC Wallbox
Wallbox / Char Charging type (Wallbo	ox / AC	Wallbox / AC
Cable / Socket		Туре 2	socket	Type 2 Cable
	Private			•
Suitable for	Semi-public)	0
	In public	(0
Max. charging	power (kW)	7.4 kW	22 kW (11 kW throttled)	3.7 (1-phase); 11 (3-phase)
Mains connection		1-phase 230V / 32A, 50Hz	3-phase 400V / 32A, 50Hz	1-phase 230V/16A, 50Hz, 3-phase 400V/16A, 50Hz
	DC residu- al current switch	DC fault current detection > 6mA (on-site Residual current circuit breaker type A required)		DC residual current detection > 6mA, residual current circuit breaker type A installed
Protection + access autho- rization	Dynamic load ma- nagement	0		0
	RFID / App	•,	•	0,0
SMART Charging Features (PV surplus (with own system), Dynamic electri- city tariffs, Manual loading times,Limitation by EVU according to EnWG 14a)		PV surplus or Fixed charging times; Dynamic electricity tariffs (via EMMA); Limitation EVU (via Modbus)		PV surplus (with Kostal KSEM and activation code) Fixed charging times, Limitation EVU (integrated terminals)
Collection of charging data Manufacturer portal - APP / MID meter / calibration law compliant		●/○/○		•,0,0
Communication / Interfaces		WLAN + LAN		RS485
Special features		Autom. Switching 1-/3-phase charge; 2-fold cascade incl. PV excess charging with EMMA		Monitoring in the Kostal Portal, 7.5 m charging cable



Product series		SMA EV Charger				
Product name		SMA EV Charger 7,4	SMA EV Charger 22	SMA EV Charger 22 DS	SMA EV Charger Business	
Wallbox / Char Charging type (wallbo	ox / AC		
Cable / Socket		Type Z	cable	Type 2 socket	2 x Type 2 socket / Type 2 cable	
	Private		•		0	
Suitable for	Semi-public		0		•	
	In public		(
Max. charging	power (kW)	7.4 kW 22 kW		22 kW	2 x 22 kW	
Mains connection		1-phase 230V / 32A, 50Hz	3-phase 400V / 32A, 50Hz	3-phase 400V / 32A, 50Hz	3-phase 400V/ 64A, 50Hz	
DC residu- al current switch		PV surplus; fixed + flexible charging times (via Home Manager) Limitation by EVU			DC residual current detection > 6mA, residual current circuit breaker type A installed	
Protection + access autho- rization	Dynamic load ma- nagement	, with SMA Home Manager			, with compatible counter	
	RFID / App	0,	, O	•.)/○	
(PV surplus (wi system), Dynar city tariffs, Mar times,Limitation	SMART Charging Features (PV surplus (with own system), Dynamic electricity tariffs (via Home Manager); manual charging times; Limitation by EVU (via Home Manager); manual charging times; Limitation by EVU (via Home Manager); manual charging times; Limitation by EVU (via Home Manager); manual charging times; Limitation by EVU (via Home Manager); manual charging times; Limitation by EVU (via Home Manager); manual charging times; Limitation by EVU (via Home Manager); manual charging times; Limitation by EVU (via Home Manager); manual charging times; Limitation by EVU (via Home Manager); manual charging times; Limitation by EVU (via Home Manager); manual charging times; Limitation by EVU (via Home Manager); manual charging times; Limitation by EVU (via Home Manager); manual charging times; Limitation by EVU (via Home Manager); manual charging times; Limitation by EVU (via Home Manager); manual charging times; Limitation by EVU (via Home Manager); manual charging times; Limitation by EVU (via Home Manager); manual charging times; Limitation by EVU (via Home Manager); manual charging times; Limitation by EVU (via Home Manager); manual charging times; Limitation by EVU (via Home Manager); manual charging times; Limitation by EVU (via Home Manager); manual charging times; Limitation by EVU (via Home Manager); manual charging times; Limitation by EVU (via Home Manager); manual charging times; Limitation by EVU (via Home Manager); manual charging times; Limitation by EVU (via Home Manager); manual charging times; Limitation by EVU (via Home Manager); manual charging times; Limitation by EVU (via Home Manager); manual charging times; Limitation by EVU (via Home Manager); manual charging times; Limitation by EVU (via Home Manager); manual charging times; Limitation by EVU (via Home Manager); manual charging times; Limitation by EVU (via Home Manager); manual charging times; Limitation by EVU (via Home Manager); manual charging times; Limitation by EVU (via Home Manager); manual charging times; Limitation by EVU (via Home M		n by EVU (via Home Manager)			
Collection of charging data Manufacturer portal - APP / MID meter / calibration law compliant		•/0/0		●/●/○	•**/•**/•**	
Communication / Interfaces		WLAN + LAN			LAN	
Special features		Boost function, blackout protection; forecast-based charging		3-way cascadable; RFID; boost function, blackout protection; forecast-based charging; preparation for bidirectional charging	Boost function, blackout protection; forecast-based charging	

 $[\]ensuremath{^{**}}$ Dependent on release and provision date of the manufacturer



Product series		Smappee EV Charger			
Product name		EV Wall Home 22	EV One Home 22	EV Ultra Single 80S / 240S	"EV Ultra Dual 40D / 120D
Wallbox / Char Charging type (Wallbox / AC	Charging station / AC	Charging station / DC	Charging station / DC
Cable / Socket		Type 2 socket	Type 2 socket	CCS Combo-2 plug	2 x CCS Combo-2 connectors
	Private	•	•	(
Suitable for	Semi-public	(only version with calibration right)	•	(with P	ay Station)
	In public	(mit Pay Station)	0	(with P	ay Station)
Max. charging	power (kW)	22 kW	22 kW	80 / 240 kW 2 x 40 / 2 x 120 kW	
Mains connect	ion	1-/3-phase 230/400V / 16/32A, 50Hz	3-phase 400V / 32A, 50Hz	3-phase 400V / 120A/350A, 50Hz	3-phase 400V / 120A/350A, 50Hz
Protection + access autho- rization	DC residu- al current switch	DC fault current detection > 6mA, residual current circuit breaker type A installed		DC fault current detection > 6mA and Residue current circuit breaker type A Required on site	
	Dynamic load ma- nagement	(with Infinity Kit)	(with Infinity Kit)	•	
	RFID / App		•/•		
(PV surplus (wi system), Dynar city tariffs, Ma times,Limitation	ART Charging Features Surplus (with own steem), Dynamic electricity tariffs (via business subscript times; limitation by EVU (Infinity Kit + Solar Add-on + SG Ready) PV surplus (with Infinity Kit + Solar Add-on), fixed charging times; limitation by EVU (Infinity Kit + Solar Add-on + SG Ready) Dynamic electricity tariffs (via business subscript fixed charging times; limitation by EVU (Infinity Kit + Solar Add-on) fixed charging times; limitation by EVU (Infinity Kit + Solar Add-on) fixed charging times; limitation by EVU (Infinity Kit + Solar Add-on) fixed charging times; limitation by EVU (Infinity Kit + Solar Add-on) fixed charging fixed charging fixed charging times; limitation by EVU (Infinity Kit + Solar Add-on) fixed charging fixed chargin				
Collection of ch Manufacturer MID meter / ca compliant	portal - APP /	/ Optional	● / ● / Optional ● / ● / ● / ●		•/•
Communication / Interfaces		WLAN + LAN	WLAN + LAN	LAN	+ 4G
Special features		Wallbox for home use; incl. 5 year subscription for Smap- pee Smart subscription plan	Charging station for home use; incl. measuring converters for PV surplus charging; incl. 5 year subscription for Smappee Smart Subscription Plan	law compliant; with optiona tion); additional functions via	2 charging points; calibration l payment terminal (Pay Sta- Smappee Business subscrip- plan

SCFAR

Product series		Sofar EV-Charger	
Product name		EV11k-AC-02	
Wallbox / Char Charging type (Wallbox / AC	
Cable / Socket		Type 2 Cable	
	Private	•	
Suitable for	Semi-public	0	
	In public	0	
Max. charging	power (kW)	11 kW	
Mains connection		3-phase 230V / 16A, 50Hz	
Protection	DC residu- al current switch	DC residual current detection > 6mA, residual current circuit breaker type A installed	
Protection + access autho- rization	Dynamic load ma- nagement	0	
	RFID / App	•	
SMART Charging Features (PV surplus (with own system), Dynamic electri- city tariffs, Manual loading times,Limitation by EVU according to EnWG 14a)		PV surplus;Fixed charging times;	
Collection of charging data Manufacturer portal - APP / MID meter / calibration law compliant		•/0/0	
Communication / Interfaces		RS485, WLAN,	
Special features		Monitoring in the Sofar Portal; 7.0 m charging cable	

solaredge

Product series		Home EV Charger	One EV Charger	
Product name	Product name SE-EVK22Cxx-01		One / One Pro	
Wallbox / Char Charging type (Wallbox / AC	Wallbox AC	
Cable / Socket		Type 2 Cable	Type 2 socket	
	Private	•	Yes	
Suitable for	Semi-public	0	Yes (only Pro version)	
	In public	0	No	
Max. charging	power (kW)	22 kW (11 kW throttled)	22 kW (11 kW throttled)	
Mains connecti	ns connection 3-phase 400V / 32A, 50Hz 1-/3 phase 400V / 32A, 50		1-/3 phase 400V / 32A, 50Hz	
DC residu- al current switch		DC fault current detection > 6mA (on-site Residual current circuit breaker type A required)		
Protection + access autho- rization	Dynamic load ma- nagement	0	•	
	RFID / App	●/○		
(PV surplus (wi system), Dynar city tariffs, Mai times,Limitatio	ART Charging Features surplus (with own tem), Dynamic electri- tariffs, Manual loading es,Limitation by EVU ording to EnWG 14a) PV surplus; Dynamic electricity tariffs + fixed charging times (With SolarEdge ONE controller); Limitation by EV SolarEdge ONE Controller)			
Collection of charging data Manufacturer portal - APP / MID meter / calibration law compliant		•/•/•	●/●/○	
Communication	n / Interfaces	WLAN + LAN	WLAN + LAN (LTE only Pro version)	
Special features		Wallbox for home use;Calibration right; 1- and 3-phase operation possible	Wallbox for home use; Pro version with MID counter; autom. Phase switching; dyn. Load management; 1- and 3-phase operation possible	



Product series		Smart EV Charger		Smart EV (Charger G2	
Product name		X3-EVC11K	X3-EVC22K	X3-HAC-11	X3-HAC-22	
Wallbox / Char Charging type (Wallbo	ox / AC		
Cable / Socket		Both p	ossible	Both p	ossible	
	Private					
Suitable for	Semi-public		(
	In public		(
Max. charging	power (kW)	11 kW	22 kW	11 kW	22 kW	
Mains connecti	ion	3-phase 400V / 16A, 50Hz	3-phase 400V / 32A, 50Hz	3-phase 400V / 16A, 50Hz	3-phase 400V / 32A, 50Hz	
Santantina .	DC residu- al current switch	Integrated residual current cutSwitch type A and DC fault current detection > 6mA		Integrated residual current cutSwitch type A and DC fault current detection > 6mA		
Protection + access autho- rization	Dynamic load ma- nagement		Yes, with Sola	ax Smart Meter		
	RFID / App	•,	, O	•/○		
SMART Charging Features (PV surplus (with own system), Dynamic electri- city tariffs, Manual loading times,Limitation by EVU according to EnWG 14a)		PV surplus; manual charging times (With Solax Smart Me- ter); Limitation by EVU (integrated terminals / Datahub)		PV surplus (with Solax Sma times; Limitation by EVU(Inte	rt Meter); manual charging grated terminals / data hub)	
Collection of charging data Manufacturer portal - APP / MID meter / calibration law compliant		•/0/0		•/0/0		
Communication / Interfaces		WLAN + RS485		LAN + WLAN + 4G (opt.) / 2 x RS485		
Special features				E-phase Wallobox; autom. Phase switching; dyn. Load management		

 $[\]ensuremath{^{**}}$ Dependent on release and provision date of the manufacturer



Product series		Sungrow EV Charger			
Product name		AC011E-01	AC22E-01	IDC30E	IDC180E
Wallbox / Char Charging type		Wallbox / AC	Wallbox / AC	Wallbox / DC	Charging station / DC
Cable / Socket		Type 2 Cable	Type 2 Cable	CCS Combo-2 plug	2 x CCS Combo-2 connectors
	Private				
Suitable for	Semi-public	0	0	•	•
	In public	0	(only MID version)	0	•
Max. charging	power (kW)	11 kW	22 kW	30 kW	180 kW
Mains connect	ion	3-phase 400V / 16A, 50Hz	3-phase 400V / 32A, 50Hz	3-phase 400V / 63A, 50Hz	3-phase 400V / 275A, 50Hz
Protection + access autho- rization	DC residu- al current switch	DC fault current detection > 6mA (on-site Residual current circuit breaker type A required)	DC fault current detection > 6mA (on-site Residual current circuit breaker type A required)	DC fault current detection > 6mA (on-site Residual current circuit breaker type A required)	DC fault current detection > 6mA and Residuar current circuit breaker type ARequi- red on site
	Dynamic load ma- nagement				
	RFID / App	•,	, ●	•/○	•/•
SMART Charging Features (PV surplus (with own system), Dynamic electri- city tariffs, Manual loading times,Limitation by EVU according to EnWG 14a)		(With iHomeManager); Limitation by EVU (Via Modbus + ricity t		PV surplus; Dynamic elect- ricity tariffs + fixed charging times (Via iHomeManager)	Fixed charging times (With Sungrow system)
Collection of charging data Manufacturer portal - APP / MID meter / calibration law compliant		•/0/0		•/•/•	●,○,●
Communication / Interfaces			Wi-Fi		Ethernet, 2G, 3G, 4G
Special features		Autom. Switching 1/3-phase charge; compatible with SHRT V11, V112 and SHRT-20.	Autom. Switching 1/3-phase charge; compatible with SHRT V11, V112 and SHRT-20. The iHomeManager is requi- red for connection to SH-T.	DC-CharGer, cascadable, with optional payment terminal	DC charger, cascadeable, compliant with the law; with optional payment terminal

Explanation of the specifications

Instructions

Product series		Model series of the manufacturer	
Product name		Name of the article	
Wallbox / char charging type (Design and charging type of the charger	
Cable / Socket		Design of the charging connection	
	Private	Application for home use	
Suitable for	Half-Public	Application in commercial / company charging park	
	Public	Use in public areas with billing	
Max. charging	power (kW)	Maximum charging capacity	
Grid connection		Type of mains connection	
Ductostics	DC residu- al current device	Integrated DC residual current circuit breaker	
Protection + access autho- risation	Dynamic load ma- nagement	Monitoring of the maximum power consumption at the grid connection point	
	RFID / App	Access authorization with RFID	
SMART Chargir (PV surplus (wi system), Dynar city tariffs, Mar times,Limitatio according to Er	th own nic electri- nual loading on by EVU	Available charging modes (PV surplus / fixed charging times / externally controlled charging times via exchange, energy supply company, etc.)	
Acquisition of charging data Manufacturer portal - APP / MID meter / calibration law compliant"		Version for recording the charging data (app - residential / MID for commercial / calibration law for public use)	
Communication / Interfaces		Integrated com interfaces (WLAN, LAN, etc.)	
Features		Various special features for the charger	



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