

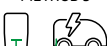







Recharging modes in compliance with IEC 61851-1

MODE	DEDICATED CONNECTOR FOR EV	TYPE OF RECHARGING	MAX. CURRENT	CHARACTERISTICS
METHOD 1 	NO	Slow in AC	16 A (3.7 kW)	Connection to the network AC up to 16A with domestic connectors
METHOD 2 	NO	Slow in AC	32 A (11 kW)	Connection to the network AC up to 32A with domestic or industrial connectors. Control device provided in the supply cable
METHOD 3 	YES	Slow or accelerated in AC	32 A three-phase (22 kW) for flush-mounting socket-outlet 63 A three-phase (44 kW) with mobile connector mounted on the recharging units	Connection to the network AC via the dedicated connector. Control device in the charging unit.
METHOD 4 	YES	Fast in DC	Approx. 50 kW	Connection to the DC power supply network

Type of connectors

	TYPE OF CONNECTOR	N°OF POLES	MAXIMUM VOLTAGE	MAXIMUM CURRENT	REFERENCE STANDARD	CHARACTERISTICS
AC		5 (L1, L2/N, PE, CP, CS)	250V AC	32 A (7.2 kW)	IEC 62196-2	Type 1
		7 (L1, L2, L3, N, PE, CP, PP)	250V AC single-phase 500V DC three-phase	63 A (44 kW)	IEC 62196-2	Type 2
DC		9 (2 power, 7 Signal)	500V DC	120A	IEC 62196-1 UL 2551	CHAdemo
		9 (L1, L2, L3, N, PE, CP, PP, DC+, DC-)	850V DC	125A	IEC 62196-2 IEC 62196-3	CCS COMBO 2

APPLICATION FIELDS FOR JOINON CHARGING STATIONS									
PRIVATE HOME	APARTMENT BLOCK	PRIVATE PARKING	HOTELS	COMPANY PARKING AND FLEETS	SHOPPING CENTRES	PUBLIC PARKING AND ON THE ROAD	PETROL STATIONS	TYPE OF PRODUCT	RANGE
•	•		•	•				HOME	JOINON EASY
	•	•	•		•			PARKING	
		•	•		•	•		PARKING	JOINON
		•	•	•	•	•	•	PARKING+	
						•	•	STATION	

JOINON EASY PARKING - ENABLING USER IDENTIFICATION - “STAND ALONE” STATION

The charging stations are independent of the central PC



Reception area

+



Transponder key programming console

+



Transponder key

- The system allows:**
- Enabling/disabling of recharging users
 - System selectivity
 - Set up of credits/ no of operations



Technical characteristics

JOINON EASY HOME – SLOW SURFACE-MOUNTING CHARGING UNIT					
Recharging mode (EN 68851-1)	Method 2		Method 3		
Recharging case (EN 68851-1)	Case A or B		Case C	Case A or B	
Model	GW 68 114	GW 68 115	GW 68 116	GW 68 117	GW 68 118
Power supply					
Single-phase 230V / 50Hz (2P+E)	X	X	X	X	X
Three-phase 230V / 400V / 50Hz (3P+N+E)					
Rated current	32	50	20	20	20
Max deliverable power (kW)	2.6	7.4	4.6	4.6	4.6
Recharging connectors (EN 62196)	-	-	N.1 connector - Type 1 (5m cable)	N.1 connector - Type 2 (5m cable)	N.1 socket-outlet Type 2 with shutter
Other connectors	N. 3 domestic socket-outlets ITA/DE	N. 1 domestic socket-outlet ITA/DE N.1 socket-outlet IEC309 2P+E 16A 230V N. 1 socket-outlet IEC309 3P+N+E 32A 400V	-	-	-
Modular protection devices	N. 1 main switch disconnecter 40A 2P N. 3 miniature circuit breakers Residual current device 10A 2P 0.03A Curve C Type A	N. 1 main switch disconnecter 63A 2P N. 1 RCBO 10A 2P 0.03A Curve C Type A N. 1 RCBO 16A 4P 0.03A Curve C Type A N. 1 RCBO 32A 4P 0.03A Curve C Type A	-	-	-
Energy metering	-	-	-	-	-
Type of recharging	Slow	Slow	Slow	Slow	Slow
User enabling	Direct	Direct	Through modular selector housed in the enclosure		
IP Degree (with plug inserted)	IP54 (IP21)	IP54 (IP21)	IP44	IP44	IP54
Mechanical resistance	IK08		IK08		
Material	Thermoplastic		Thermoplastic		
Operating temperature (min. and max.)	-25°C; +40 °C		-25°C; +50°C		

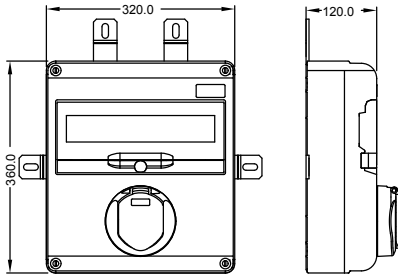
Dimension tables

JOINON EASY HOME					
GW 68 114 GW 68 115		GW 68 116 GW 68 117		GW 68 118	

Technical characteristics

JOINON EASY PARKING - SLOW SURFACE-MOUNTING CHARGING UNIT		
Recharging mode (EN 68851-1)	Method 3	
Recharging case (EN 68851-1)	Case A or B	
Model	CW 68 119	CW 68 120
Power supply		
Single-phase 230V / 50Hz (2P+E)	X	
Three-phase 230V / 400V / 50Hz (3P+N+E)		X
Rated current	32	32
Max deliverable power (kW)	7.4kW	22kW
Recharging connectors (EN 62196)	N. 1 socket-outlet - Type 2 with shutter	N. 1 socket-outlet - Type 2 with shutter
Modular protection devices	-	-
Energy metering	-	-
Type of recharging	Slow	Accelerated
User enabling	Through transponder key	
IP degree of protection	IP54	
Mechanical resistance	IK08	
Material	Thermoplastic	
Operating temperature (min. and max.)	-25°; +50°C	

Dimension tables

JOINON EASY PARKING
 <p>GW 68 119 - GW 68 120</p>

JOINON - LOCALE MANAGEMENT (STAND ALONE)

The system allows:

- Reporting
- Reading of figures regarding consumption and operations carried out
- Circuit status check



The charging stations are connected in sequence via an RS 485 communication line (max. 10 stations per line), which is connected to a PC via an RS 485-USB converter.

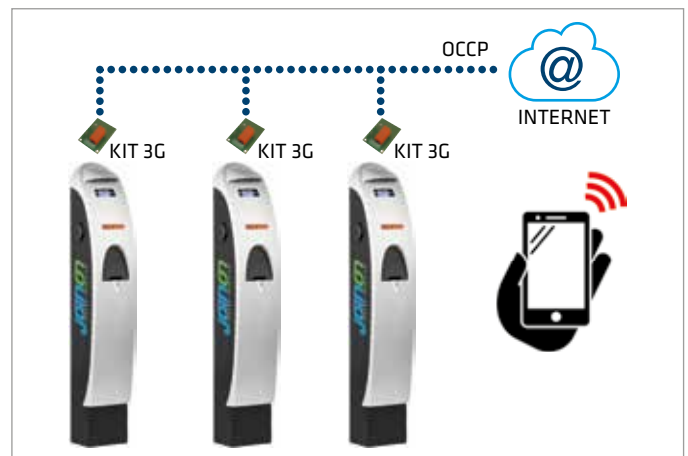
JOINON - REMOTE MANAGEMENT (via the OCPP protocol)

The system allows:

- Remote identification and authorisation
- Monitoring of circuit and customer status
- Remote activation/ deactivation of circuits
- Reporting



The charging stations are connected in sequence via an RS 485 communication line (max.10 stations per line). The ETHERNET KIT (code GW68111) is then inserted inside a floor-mounting charging station. By adding a router, the information can be transferred to the network via a standardised protocol called OCPP, and from which it is possible to access the columns remotely via one or more PCs connected to the internet. For more technical information, contact SAT.

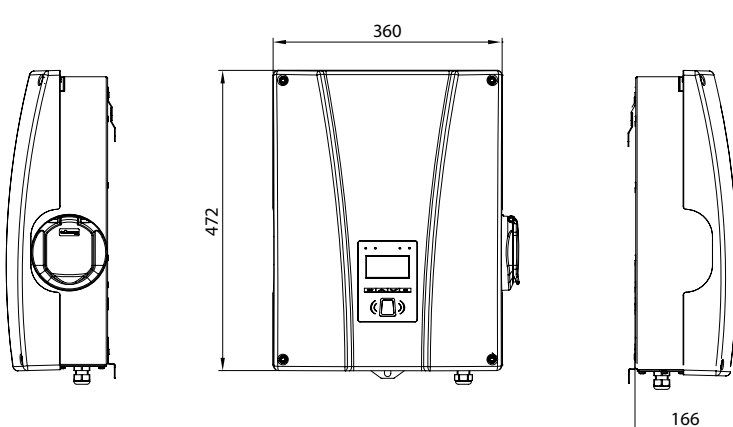


The 3G Kit (code GW68112 or GW68113) inclusive of the relative SIM card is installed in each charging station, enabling all the information regarding the charging stations on the network to be transmitted via a standardised protocol called OCPP. The charging stations can be managed using an APP for smartphones and mobile devices. For more technical information, contact SAT Gewiss.

Technical characteristics

JOINON PARKING - SLOW OR ACCELERATED SURFACE-MOUNTING CHARGING UNIT			
Recharging mode (EN 61851-1)	MODE 3		
Recharging case (EN 61851-1)	CASE A or B		
Model	GW68103	GW68103R	GW68104C
Power supply			
Single-phase 230V / 50Hz (2P+E)	X	X	
Three-phase 400V / 50Hz (3P+N+E)			X
Rated current (A)	32	32	32
Max deliverable power (kW)	7.4	7.4	22
Recharging connectors (EN62196)	N. 1 socket-outlet - Type 2	N. 1 socket-outlet - Type 2	N. 1 socket-outlet - Type 2
Modular protection devices	Miniature circuit breaker residual current device	Miniature circuit breaker + ReStart autotest	RCBO + direct current verification device
Energy metering	MID meters	MID meters	MID meters
Type of recharging	Slow	Slow	Accelerated
Circuit activation	RFID card (local) or APP (remote)		
IP degree of protection	IP54		
Mechanical resistance IK	IK10 (display IK08)		
Material	Front in aluminium		
External surface	Treated with anti-graffiti painting - RAL 9003		
Operating temperature (Min. and Max.)	-25°C; +50°C		

Dimension tables

JOINON PARKING	
	

Technical characteristics

JOINON PARKING+ - SLOW AND ACCELERATED FLOOR-MOUNTING CHARGING UNIT			
Recharging mode (EN 61851-1)	MODE 3		
Recharging case (EN 61851-1)	CASE A or B		
Model	GW68105	GW68105R	GW68106C
Power supply			
Single-phase 230V / 50Hz (2P+E)	X	X	
Three-phase 400V / 50Hz (3P+N+E)			X
Rated current (A)	32+32	32+32	32+32
Max deliverable power* (kW)	7.4 + 7.4	7.4 + 7.4	22 + 22
Recharging connectors (EN62196)	N. 2 socket-outlets - Type 2	N. 2 socket-outlets - Type 2	N. 2 socket-outlets - Type 2
Modular protection devices	Residual current circuit breaker with overcurrent protection	Miniature circuit breaker + Restart Autotest	RCBO + direct current verification device
Energy metering	MID meters	MID meters	MID meters
Type of recharging	Slow	Slow	Accelerated
Circuit activation		RFID card (local) or APP (remote)	
IP degree of protection		IP54	
Mechanical resistance IK		IK10	
Material		Front in polyurethane	
External surface		Treated with anti-graffiti painting	
Operating temperature (min. and max.)		-25°C; +50°C	

Dimension tables

JOINON PARKING+

Technical characteristics

JOINON STATION – FAST FLOOR-MOUNTING CHARGING UNIT	
Recharging mode (EN 61851-1)	MODE 3 and MODE 4
Recharging case (EN 61851-1)	CASE C
Model	GW68109
Power supply	
Single-phase 230V / 50Hz (2P+E)	
Three-phase 400V / 50Hz (3P+N+E)	X
Rated current (A)	95
Max deliverable power (kW)	43/50/43*
Recharging connectors (EN62196)	One CHAdeMO connector One COMBO 2 connector One Type 2 connector
Modular protection devices	Miniature circuit breaker + Restart Autotest
Energy metering	MID meters
Type of recharging	Fast
Circuit activation	RFID card (local) or APP (remote)
IP degree of protection	IP55
Mechanical resistance IK	IK10
Material	Galvanised steel
External surface	Treated with anti-graffiti painting – RAL 9003
Operating temperature (min. and max.)	-25°C; +60 °C

(*) The MAX power supply for the individual connectors of the Multistandard version, referring respectively to connectors: CHAdeMO (43kW), Combo2 (50 kW), Type2 (43 kW).

Dimension tables

JOINON STATION	
