

R-Evolution



Electrical vehicle charging



pag. 216

E-Mobility, also known as electric mobility, has become one of the buzzwords of our time. The R-Evolution range represents a breakthrough in terms of solutions for energy use: in line with the IEC 61851 international standard, these products enable the connection

and charging of all electric cars currently on the market. The integration of the automatic reclosing device, ReStart Autotest, renders these products unique, and ensures both charge continuity and maximum user safety.

R-Evolution

Units for electrical vehicle recharging

R-Evolution is the GEWISS range of surface-mounting or floor-mounting pre-wired products that can provide a safe and reliable solution to whatever the recharging requirements of any electric vehicle. They comply with the guidelines stipulated in the IEC 61851 standard for installation in residential environments as well as in public spaces. The versions fitted with ReStart with Autotest – an automatic re-closing device – guarantee that charging of the vehicle will never be interrupted and that the user will always be kept safe.



Technical characteristics page 219

CHARGING UNIT

FOR PRIVATE USE



GW 68 102 R

R-EV HOME - SLOW SURFACE-MOUNTING CHARGING STATION IP54 - MODE 3 IN ALTERNATING CURRENT



Code	Connector Type 1	Connector Type 2	Power max.	Connettor Protection	Pack Carton
GW 68 101	1		4,6 kW	-	1
GW 68 101 R	1		4,6 kW	Miniature circuit breaker + Restart Autotest	1
GW 68 102		1	4,6 kW	-	1
GW 68 102 R		1	4,6 kW	Miniature circuit breaker + Restart Autotest	1

ACCESSORIES SUPPLIED: 6 m of cable with the relative support; integrated USB communication interface; LED indicators.

CHARACTERISTICS: the maximum available power can be reduced by keylock switch and software. Front of the casing in anti-graffiti painted aluminium.

NOTES: the quotation of commissioning must be defined in the commercial negotiation asking to GEWISS Technical Assistance Service (Tel.: 035 946 111) and must be ordered separately from the products for EV recharging. This quotation depending on the number of products and type of system / architecture that has to be achieve.

FOR PRIVATE AND/OR PUBLIC USE



GW 68 103 R

R-EV PARKING - SLOW SURFACE-MOUNTING CHARGING STATION IP54 - MODE 3 IN ALTERNATING CURRENT



Code	Socket Type 2	Power max.	Connettor Protection	Pack Carton
GW 68 103	1	7,4 kW	RCBO	1
GW 68 103 R	1	7,4 kW	Miniature circuit breaker + Restart Autotest	1

ACCESSORIES SUPPLIED: MID approved energy and power metre; compatible with the OCCP protocol through the use of web services (SOA); integrated RS485 communication interface; multi-language graphic LCD display and LED indicators; N. 3 RFID cards for enabling the users and recharging.

CHARACTERISTICS: the maximum available power can be reduced by software. Local user enabling with authentication via RFID cards. Front of the casing in anti-graffiti painted aluminium. Degree of protection against acts of vandalism IK10.

NOTES: The quotation of commissioning must be defined in the commercial negotiation asking to GEWISS Technical Assistance Service (Tel.: 035 946 111) and must be ordered separately from the products for EV recharging. This quotation depending on the number of products and type of system / architecture that has to be achieve.



GW 68 104 R

R-EV PARKING - ACCELERATED SURFACE-MOUNTING CHARGING STATION IP54 - MODE 3 IN ALTERNATING CURRENT



Code	Socket Type 2	Power max.	Connettor Protection	Pack Carton
GW 68 104	1	22 kW	RCBO	1
GW 68 104 R	1	22 kW	Miniature circuit breaker + Restart Autotest	1

ACCESSORIES SUPPLIED: MID approved energy and power metre; compatible with the OCCP protocol through the use of web services (SOA); integrated RS485 communication interface; multi-language graphic LCD display and LED indicators; N. 3 RFID cards for enabling the users and recharging.

CHARACTERISTICS: the maximum available power can be reduced by software. Local user enabling with authentication via RFID cards. Front of the casing in anti-graffiti painted aluminium. Degree of protection against acts of vandalism IK10.

NOTES: The quotation of commissioning must be defined in the commercial negotiation asking to GEWISS Technical Assistance Service (Tel.: 035 946 111) and must be ordered separately from the products for EV recharging. This quotation depending on the number of products and type of system / architecture that has to be achieve.



GW 68 105 R

R-EV PARKING+ - SLOW FLOOR-MOUNTING CHARGING STATION IP54 - MODE 3 IN ALTERNATING CURRENT



Code	Socket Type 2	Power max.	Connettor Protection	Pack Carton
GW 68 105	2	7,4 kW	RCBO	1
GW 68 105 R	2	7,4 kW	Miniature circuit breaker + Restart Autotest	1

ACCESSORIES SUPPLIED: MID approved energy and power metre; compatible with the OCCP protocol through the use of web services (SOA); integrated RS485 communication interface; multilanguage graphic LCD display and LED indicators; power accumulator for the power supply of auxiliary services in case of a mains power failure; N. 3 RFID cards for enabling the users and recharging.

CHARACTERISTICS: the maximum available power can be reduced by software. Local user enabling with authentication via RFID cards. Front of the casing in anti-graffiti polyurethane. Degree of protection against acts of vandalism IK10.

NOTES: the quotation of commissioning must be defined in the commercial negotiation asking to GEWISS Technical Assistance Service (Tel. : 035 946 111) and must be ordered separately from the products for EV recharging. This quotation depending on the number of products and type of system / architecture that has to be achieve.



GW 68 106 R

R-EV PARKING+ - ACCELERATED FLOOR-MOUNTING CHARGING STATION IP54 - MODE 3 IN ALTERNATING CURRENT



Code	Socket Type 2	Power max.	Connettor Protection	Pack Carton
GW 68 106	2	22 kW	RCBO	1
GW 68 106 R	2	22 kW	Miniature circuit breaker + Restart Autotest	1

ACCESSORIES SUPPLIED: MID approved energy and power metre; compatible with the OCCP protocol through the use of web services (SOA); integrated RS485 communication interface; multilanguage graphic LCD display and LED indicators; power accumulator for the power supply of auxiliary services in case of a mains power failure; N. 3 RFID cards for enabling the users and recharging.

CHARACTERISTICS: the maximum available power can be reduced by software. Local user enabling with authentication via RFID cards. Front of the casing in anti-graffiti polyurethane. Degree of protection against acts of vandalism IK10.

NOTES: the quotation of commissioning must be defined in the commercial negotiation asking to GEWISS Technical Assistance Service (Tel. : 035 946 111) and must be ordered separately from the products for EV recharging. This quotation depending on the number of products and type of system / architecture that has to be achieve.



GW 68 108

R-EV STATION - FAST FLOOR-MOUNTING CHARGING STATION IP54 - MODE 4 IN DIRECT CURRENT



Code	Connector Type 2	Connector CHAdeMO	Connector Combo 2	Power max.	Connettor Protection	Pack Carton
GW 68 107		1		43 kW	Miniature circuit breaker	1 ①
GW 68 108			1	50 kW	Miniature circuit breaker	1 ①
GW 68 109 R	1	1	1	50 kW	Miniature circuit breaker + Restart Autotest	1 ①

ACCESSORIES SUPPLIED: MID approved energy and power metre; compatible with the OCCP protocol through the use of web services (SOA); integrated RS485 communication interface; multi-language graphic LCD display and LED indicators; high visibility emergency stop push-button; N. 3 RFID cards for enabling the users and recharging.

The MAX power reported for code GW68109R refer to the maximum power for the only COMBO 2 charging connector.

CHARACTERISTICS: Painted galvanised steel casing. Degree of protection against acts of vandalism IK10.

NOTES: The quotation of commissioning must be defined in the commercial negotiation asking to GEWISS Technical Assistance Service (Tel. : 035 946 111) and must be ordered separately from the products for EV recharging. This quotation depending on the number of products and type of system / architecture that has to be achieve.

ACCESSORIES

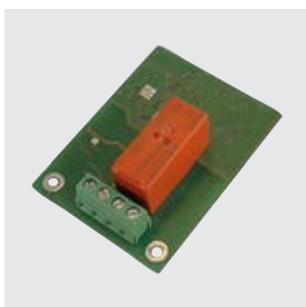
COMPLEMENTARY ITEMS



GW 68 110

RFID CARD

Code	Description	Pack Carton
GW 68 110	RFID card for enabling the circuit and recharging	1



GW 68 111

COMMUNICATION SYSTEM KIT

Code	Description	Pack Carton
GW 68 111	Ethernet kit	1
GW 68 112	3G kit for surface-mounting recharging station	1
GW 68 113	3G kit for floor-mounting recharging station	1

R-Evolution



SURFACE-MOUNTING CHARGING UNIT - HOME AND PARKING



Designed for the recharging of electric vehicles in residential and domestic installations (HOME type) and for use in public area such as hotels, parking and corporate fleets (PARKING type). Highly robust to impact and vandalism thanks to the metal casing.

FLOOR-MOUNTING CHARGING UNIT - PARKING+



PARKING+ stands out for its attractive design suitable for integration in urban contexts and designed to withstand the elements and possible vandalism. The built-in auxiliary battery ensures continuity in the event of mains black-out.

FAST CHARGING UNIT - STATION



STATION versions have been designed to meet the needs of rapid DC charging of electric vehicle allowing to reach the maximum autonomy of the vehicle in less than 30 minutes. Available in versions with CHAdeMO, Combo 2 connectors and multistandard configuration.

Commercial information page 216

Technical data

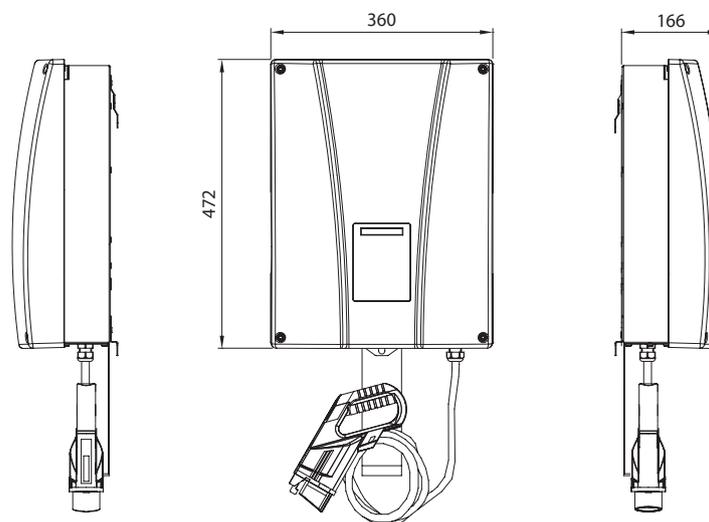
R-EV HOME - SLOW SURFACE-MOUNTING CHARGING STATION

Recharging mode (EN 61851)	MODE 3
Recharging case(EN 61851)	CASE C

Models	GW68101	GW68101R	GW68102R	GW68102R
Power supply				
Single Phase 230 V / 50 Hz (2P+E)	X	X	X	X
Three Phase 400 V / 50 Hz (3P+N+E)				
Nominal current	20	20	20	20
Maximum power output (kW)	4.6	4.6	4.6	4.6
Connectors (EN62196)	N. 1 connector - Type 1 (6 M. cable)	N. 1 connector - Type 1 (6 M. cable)	N. 1 connector - Type 2 (6 M. cable)	N. 1 connector - Type 2 (6 M. cable)
Protection devices	-	Miniature circuit breaker + Restart Autotest	-	Miniature circuit breaker + Restart Autotest
Type of recharging	Slow	Slow	Slow	Slow
Users enabling	Through key selector			
Degree of protection IP	IP44			
Impact resistance IK	IK10			
Material	Aluminium case			
External surface	Anti-graffiti painted - RAL 9003			
Operating temperature (Min. e Max.)	-25°C; +50°C			

Dimension tables

R-EV HOME



For technical information contact the Technical Assistance Service or visit gewiss.com

R-Evolution

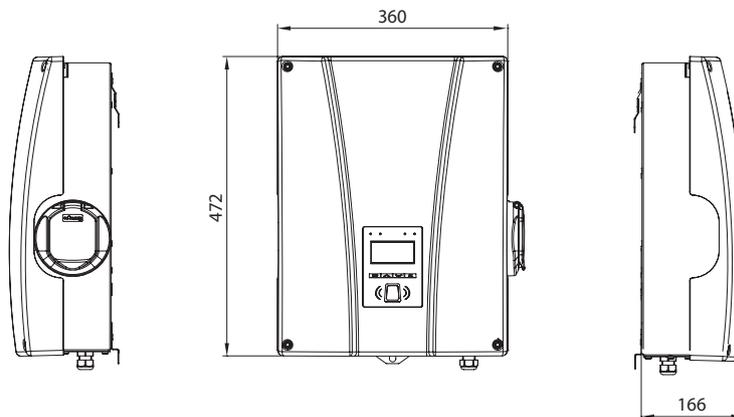
Technical data

R-EV PARKING - SLOW AND ACCELERATED SURFACE-MOUNTING CHARGING STATION

Recharging mode (EN 61851)	MODE 3			
Recharging case(EN 61851)	CASE A or B			
Models	GW68103	GW68103R	GW68104	GW68104R
Power supply				
Single Phase 230 V / 50 Hz (2P+E)	X	X		
Three Phase 400 V / 50 Hz (3P+N+E)			X	X
Nominal current	32	32	32	32
Maximum power output (kW)	7.4	7.4	22	22
Connectors (EN62196)	N. 1 socket - Type 2	N. 1 socket - Type 2	N. 1 socket - Type 2	N. 1 socket - Type 2
Protection devices	RCBO	Miniature circuit breaker + Restart Autotest	RCBO	Miniature circuit breaker + Restart Autotest
Energy consumption metering	MID meter	MID meter	MID meter	MID meter
Type of recharging	Slow	Slow	Accelerated	Accelerated
Users enabling	Through RFID card			
Degree of protection IP	IP54			
Impact resistance IK	IK10 (Display IK08)			
Material	Aluminium case			
External surface	Anti-graffiti painted - RAL 9003			
Operating temperature (Min. e Max.)	-25°C; +50°C			

Dimension tables

R-EV PARKING



Technical data

R-EV PARKING+ - SLOW AND ACCELERATED FLOOR-MOUNTING CHARGING STATION				
Recharging mode (EN 61851)			MODE 3	
Recharging case(EN 61851)			CASE A or B	
Models	GW68105	GW68105R	GW68106	GW68106R
Power supply				
Single Phase 230 V / 50 Hz (2P+E)	X	X		
Three Phase 400 V / 50 Hz (3P+N+E)			X	X
Nominal current	32	32	32	32
Maximum power output (kW)	7.4	7.4	22	22
Connectors (EN62196)	N. 2 sockets - Type 2	N. 2 sockets - Type 2	N. 2 sockets - Type 2	N. 2 sockets - Type 2
Protection devices	RCBO	Miniature circuit breaker + Restart Autotest	RCBO	Miniature circuit breaker + Restart Autotest
Energy consumption metering	MID meter	MID meter	MID meter	MID meter
Type of recharging	Slow	Slow	Accelerated	Accelerated
Users enabling			Through RFID card	
Degree of protection IP			IP54	
Impact resistance IK			IK10	
Material			polyurethane case	
External surface			Anti-graffiti painted	
Operating temperature (Min. e Max.)			-25°C; +50°C	

Dimension tables

R-EV PARKING+

R-Evolution

Technical data

R-EV STATION - FAST FLOOR-MOUNTING CHARGING STATION			
Recharging mode (EN 61851)	MODE 3 and MODE 4		
Recharging case(EN 61851)	CASE C		
Models	GW68107	GW68108	GW68109R
Power supply			
Single Phase 230 V / 50 Hz (2P+E)			
Three Phase 400 V / 50 Hz (3P+N+E)	X	X	X
Nominal current	75	75	95
Maximum power output (kW)	43	50	43/50/43*
Connectors (EN62196)	N. 1 connector CHAdeMO	N. 1 connector Combo 2	N. 1 connector CHAdeMO N. 1 connector Combo 2 N. 1 connector Tipo 2
Protection devices	Miniature circuit breaker	Miniature circuit breaker	Miniature circuit breaker + Restart Autotest
Energy consumption metering	MID meter	MID meter	MID meter
Type of recharging	Fast	Fast	Fast
Users enabling	Through RFID card		
Degree of protection IP	IP54		
Impact resistance IK	IK10		
Material	steel case		
External surface	Anti-graffiti painted - RAL 9010		
Operating temperature (Min. e Max.)	-25°C; +40°C		

(*) Is intended the MAX power for each connector into the Multistandard version: CHAdeMO (43kW), COMBO 2 (50 kW) and Type 2 (50kW).

Dimension tables

R-EV STATION

