







The European project **“Fit for 55”** aims to register only **zero-emission cars by 2035**. Grohm aims to be a protagonist in achieving this ambitious goal and therefore desires to contribute to creating a widespread and efficient charging infrastructure that is Made in Italy.

This way, the new **electric mobility** will be **green**, as well as **easy** and **smart**, and will contribute to the development of a circular economy for the benefit of all.

green charger

Grohm is the brand-new range of products developed by Emme Esse SpA for electric vehicle charging, designed to safely and reliably meet all residential and commercial needs.

Designed and entirely manufactured in Italy, it employs the most advanced management system to ensure a high level of comfort and optimization in the use of the charging process for both full electric and plug-in hybrid vehicles.

In the **EASY** version, charging is simplified and made Plug & Play to provide an easy and immediate user experience. It includes the dynamic load management mode, which constantly monitors household consumption and adjusts the power delivered to the vehicle according to the maximum available value at any given moment, allowing for optimal use of the available electrical power budget at the main meter.

In the **SMART** version, thanks to the spacious display, various operating parameters can be managed, and the delivered power can be monitored. The convenient **Web App** also allows for remote interaction, and the additional SOLAR option optimizes power draw when the photovoltaic system is producing, thus helping to reduce the cost of charging.



Load balancing
according to the
household
consumption



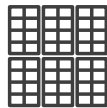
Display touch
with standby:
for smarter refills



IP54 waterproof shell,
studied for the most
difficult environments



SOLAR* optimizes
charging in the presence
of PV production



RFID an additional
protection for the
columns installed
in common areas



**Integrated
cable reel**
guarantees tidy and
ready to use cables



Planned for
multi device
master-slave
expansion



(*): Only available in the Smart version with the purchase of an additional toroid (only single-phase) or a MID meter.





compact easy

Charging simplified

Start your day with a full charge in the morning. After setting the maximum dedicated power during installation, simply let the WB manage the charging process. Connect your vehicle to the house, and charging will commence automatically. The **Easy Wallbox** is compact and efficient, providing essential information through intuitive LED signals. It strikes an excellent balance between simplicity and functionality.

Available in **7.4kW**, **11kW** and **22kW** versions.

Standard	IEC 61851-1:2019
Electrical features	
AC / DC	AC
Mode	Mode 3
Input voltage	230V~ single phase 400V~ three-phase
Frequency	50 / 60 Hz
Max. voltage	32 A
Max. power	7,4 kW single phase 11 kW three-phase 22 kW three-phase
Power modulation	Toroid included (single-phase) MID Meter optional
Energy measurement	Integrated (±5%)
DC Leakage	6mA - "L" versions only

General specifications	
Housing Design	Compact
Casing material	Polycarbonate
Visual interface	Display LED
Splash resistance	IP54
Mechanical resistance	IK07
Operating temperature	-20° ÷ 45° C
Operating Humidity	5% ÷ 95%
Installation	wall Floor with Kit Open Space
Dimensions (cables excluded) mm	155 x 210 x 92
Weight	4Kg

Connections	
Cable/Socket	cable 5 mt
Connector	1 x Type 2

Connectivity	
Ethernet	-
Wi-Fi	only for configuration
RFID	"L" versions only:- up to 20 tag (1 card and 1 key included)
RS485	Limited*

Interconnection and configuration	
OCPP	-
Master/Slave function	Limited*
Web App	-
Configuration	local Wi-Fi
Photovoltaic mode	-

Cod.	Description
GW7C	WallBox 7,4kW single-phase
GW7CL	WallBox 7,4kW single-phase with DC Leakage and RFID
GW11C	WallBox 11kW three-phase
GW11CL	WallBox 11kW three-phase with DC Leakage and RFID
GW22C	WallBox 22kW three-phase
GW22CL	WallBox 22kW three-phase with DC Leakage and RFID

(*): RS485 connectivity is limited to the Slave function in single-phase versions and to communication with MID meters in three-phase versions.

compact smart

The intelligent power

The Smart Compact series combines all the power and functionality of the Easy series with the addition of a **touch display** and Web App management. This enhancement makes programming more intuitive and provides users with additional information during recharging. Moreover, it allows for the expansion of the charging structure through the master/slave function and offers seamless integration with photovoltaic systems. Included are two RFID keys to lock the column, preventing unauthorized use.

This series is available in both **7.4kW**, **11kW** and **22kW** versions.

(*): There are two operating modes available: **EXCLUSIVE** this mode is used to exclusively recharge the vehicle with energy generated by your own photovoltaic system. **PARTIAL** this mode ensures a minimum flow of energy towards the car, even if the photovoltaic system is not producing energy.



Standard	IEC 61851-1:2019
Electrical features	
AC / DC	AC
Mode	Mode 3
Input voltage	230V~ single phase 400V~ three-phase
Frequency	50 / 60 Hz
Max. voltage	16A / 32 A
Max. power	7,4 kW single phase 11 kW three-phase 22 kW three-phase
Power modulation	Toroid included (single-phase) MID Meter
Energy measurement	Integrated (±5%)
DC Leakage	6mA
General specifications	
Housing Design	Compact
Casing material	Polycarbonate
Visual interface	Display 2.8" +status LED
Splash resistance	IP54
Mechanical resistance	IK07
Operating temperature	-20° ÷ 45° C
Operating Humidity	5% ÷ 95%
Installation	wall Floor with Kit Open Space
Dimensions (cables excluded) mm	155 x 210 x 92
Weight	4Kg
Connections	
Cable/Socket	cable 5 mt
Connector	1 x Type 2
Connectivity	
Ethernet	-
Wi-Fi	yes
RFID	Yes, up to 20 tag (1 card and 1 key are included)
RS485	yes
Interconnection and configuration	
OCPP	-
Master/Slave function	yes
Web App	yes
Configuration	Access Point WiFi
Photovoltaic mode	yes*
Cod. Description	
GW7CSL	WallBox 7,4kW Single-phase Smart
GW11CSL	WallBox 11kW Three-phase Smart
GW22CSL	WallBox 22kW three-phase Smart



easy & smart plug

Charging by plug

Equipped with a **Type 2 plug** featuring a shutter and interlock, these are the perfect solution for lovers of **neat and compact design**. Primarily designed for **hotels and B&Bs**, they provide an essential facility for guests driving electric vehicles.

All the features of the compact Easy and Smart versions (pages 6-7) are retained, with a slightly larger and more robust design.

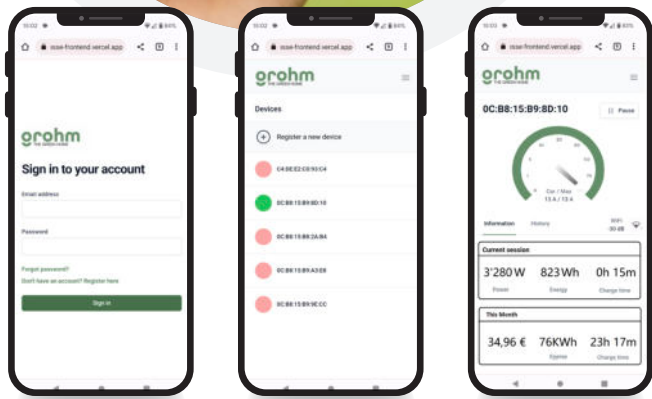
Available versions: **7.4kW** and **22kW**.

	easy plug	smart plug
Standard	IEC 61851-1:2019	
Electrical features		
AC / DC	AC	
Mode	Mode 3	
Input Voltage	230V~ - single-phase 400V~ - three-phase	
Max. voltage	32 A	
Max. power	7,4 kW - single-phase 22 kW - three-phase	
Integrated Mid Meter	-	
Power Modulation	Toroid included – Single-phase Mid Meter – Three-phase	
Energy Measurement	Integrated (±5%)	
DC Leakage	yes – 6mA	
General Specifications		
Housing Design	Compact Plus	
Casing material	Polycarbonate	
Visual interface	Display LED	Display LED + Display 2.8"
Splash resistance	IP54	
Mechanical resistance	IK07	
Operating temperature	-25° ÷ 45° C	
Operating Humidity	5% ÷ 95%	
Installation	Wall Floor with Kit Open Space	
Dimensions	255 x 295 x 122 mm	
Weight	4Kg	
Connections		
Cable/Plug Connector	Plug with shutter and interlock Type 2	
Connectivity		
Ethernet	-	
Wi-Fi	Configuration only	yes
RFID	yes Up to 20 tags (1 card and 1 key included)	
RS485	Limited*	Full
Interconnection platform		
OCPP	-	
Function Master/Slave	Slave only	yes
Web App	-	yes
Configuration	Access Point Wi-Fi	
Photovoltaic Mode	-	yes**

Cod.	Description
GW7NL	Wallbox 7,4 kW single-phase Easy with shutter plug
GW22NL	WallBox 22 kW three-phase Easy with shutter plug
GW7NLS	WallBox 7,4kW single-phase Smart with shutter plug
GW22NLS	WallBox 22kW three-phase Smart with shutter plug

(*):RS485 connectivity is limited to the Slave function in single-phase versions and to communication with MID meters in three-phase versions.

(**):There are two operating modes available: **EXCLUSIVE** this mode is used to exclusively recharge the vehicle with energy generated by your own photovoltaic system. **PARTIAL** this mode ensures a minimum flow of energy towards the car, even if the photovoltaic system is not producing energy.



my-Grohm webApp for EV

Management of the charging process

my-Grohm is a **free web application** that enables you to have complete control over the charging processes happening on your Compact Smart.

Unleash the full potential of your charger with the **my-Grohm** app, which is compatible with all devices, whether it's a PC, smartphone, or tablet. You can remotely manage recharging, check its status, view monthly statistics, and even plan a new session, all **conveniently from a distance**.

Charging management functions

CHARGING STATUS CHECK

Easily monitor the status of your charging process. Start or pause charging remotely.

PROGRAMMING Schedule charging sessions to suit your needs or take advantage of the most cost-effective time slots for electricity.

STATISTICS Gain real-time insights into the status of all connected chargers and vehicles.

SECURITY Ensure the safety of your charger with blocking and identification mechanisms, preventing any unauthorized use.

Statistics and charge control

RECHARGE SESSIONS CONTROL

Monitor the progress of your charging sessions in real time, whenever you need.

TIME ANALYSIS

The dashboard provides filtered interfaces based on time periods. This allows you to analyze the impact of recharging on the system and vice versa, enabling the identification of best practices for charging your car.

CONSUMPTION GRAPHS AND ENERGY

Utilize dedicated dashboard interfaces to track energy consumption during charging sessions. Keep an eye on the amount of energy delivered and the time it takes.



meters, tags and switches

MID meters

Electrical features

Single phase	1 Mode DIN
Three-phase	4 Mode DIN
Max voltage	40 A
Connections	Modulo Bus RTU – RS485

Note: Preconfigured to work best with the Compact Series.

Cod.	Description
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- GZ03** Certified Mid meter - Single phase
- GZ03T** Certified Mid meter - Three-phase
- GZ03TC** Certified Mid meter - Three- phase - encrypted (OCPP)



additional toroid

General specifications

Additional toroid for GW7CSL to perform solar functions

Cod.	Descrizione
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- GZ08** Additional toroid



RFID tag

General specifications

CARD or keychain version available
Customizable
Compatible with Compact series

Cod.	Description
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- GZ04** RFID tag for Grohm Smart
- GZ04T** RFID card for Grohm Smart



RCBO switches

Standard

IEC 60947-2, IEC/EN 61009, IEC/EN 61439

Electrical features

Single phase	1 Mod. DIN
Three-phase	4 Mod. DIN
Max voltage	16 o 32 A
Protection	B type
Compliance with	CEI 64-8; V5

Note: RCCBs (residual current circuit breakers) do not have overload protection and are usually coupled with an MCB (miniature circuit breaker). These units combine both in one device.

Cod.	Description
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- GZ05** Single-phase differential switch with protection Overcurrents
- GZ06** Three-phase differential switch with protection Overcurrents





open space

Installation flexibility

Specially tailored for the **Compact** series, these fixing systems cater to both wall and floor installation needs, and they come complete with a bracket designed for the charging cable.

The containers are constructed from **powder-coated galvanized steel**, ensuring exceptional durability over time. Additionally, the **GZ02** version, perfect for **open spaces**, offers comprehensive 360° protection against accidental impacts and tampering, featuring a **lockable door** with a dedicated key.



Bracket

Mechanical features

Height	260mm
Width	205mm
Depth	80mm
Material	Stainless steel AISI 304
Thickness	1,5mm
Finishing	Powder coated
Weight	1Kg
Fixing	wall
Max load	50kg
Compatibility	Compact Easy/Smart

Cod. Description

GZ01	Accessory for wall fixing of wallbox and cable reel type 2
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Floor column

Mechanical features

Height	1750mm
Width	300mm
Depth	312mm
Fixing base	300x400mm
Material thickness	1,5mm
Weight	45Kg

Cod. Description

GZ02	Column for floor fixing of wallbox Compact
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Wall fixing column

Mechanical features

Height	815mm
Width	300mm
Depth	312mm
Material thickness	1,5mm
Weight	16Kg

Cod. Description

GZ02M	Column for wall fixing of wallbox Compact
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public-plug & public-cable

Accessible charging for everyone

Specially engineered for installation in **publicly accessible areas**, these two solutions boast exceptional durability and **full compatibility** with OCPP 1.6 standards. They are ideal for individuals seeking to offer **top-notch service** to their customers or for those envisioning the charging infrastructure as a business opportunity.

Available in **7.4** and **22 kW** versions, they optimize space and cabling with a dual socket, enabling the simultaneous charging of two vehicles.

	public-plug	public-cable
Standard	IEC 61851-1:2019	
Electrical features		
AC / DC	AC	
Mode	Mode 3	
Input voltage	230Vac single phase 400Vac three-phase	
Frequency	50 / 60 Hz	
Max. voltage	32 A	
Max. power	7,4 kW single phase 22 kW three-phase	
Power modulation	-	
MID Meter	Integrated for power output	
RDC	Type B (integrated)	
General specifications		
Housing Design	Colonna	Hotel
Casing material	Stainless steel	
Visual interface	Display LED	
Splash resistance	IP65	
Mechanical resistance	IK09	
Operating temperature	-25° / +45°	
Operating Humidity	5% / 95%	
Installation	floor	wall
Dimensions (cables excluded)		
mm	380x1553x222	344x254x183
Weight	30Kg	6Kg
Connections		
Cable/Socket Connector	Socket with shutter 2 x Type 2	Spiral cable 5 mt 2 x Type 2
Connectivity		
Ethernet	-	
Wi-Fi	yes	
4G LTE	yes	
RFID	-	
RS485	-	
Interconnection and configuration		
OCPP	yes 1.6	
Master/Slave function	-	
Web App	Web Portal	
Configuration	via Web	
Photovoltaic mode	-	
Cod. Description		
GS22C2ST	Standalone column 22KW 2x5m cable type 2 smart three-phase	
GW22C2ST	Wallbox 22KW 2x5m cable type 2 smart three-phase	



DC 30 model

Fast charging

The inaugural model of the **30kW DC family**, it swiftly recharges all vehicles equipped with a CCS Combo2 plug.

This **compact** and easily installable entry-level solution is tailored for companies and businesses with an existing AC infrastructure but in need of workstations with higher speed (**up to 3 times faster** for cars equipped with an internal **11kW** AC charger).

Standard IEC 61851 / IEC 62196

Electrical features

AC / DC	DC up to 1000V
Mode	Mode 4
Input voltage	400Vac three-phase
Frequency	50 / 60 Hz
Max. voltage	50 A
Max. power	30 kW
Power modulation	-
MID Meter	-
RDC	-

General specifications

Housing Design	DC_30
Casing material	Stainless steel
Visual interface	7 inch display
Splash resistance	IP55
Mechanical resistance	IK10
Operating temperature	-20° / +45°
Operating Humidity	5% / 95%
Installation	wall
Dimensions (excluding cables) mm	710 x 480 x 230
Weight	23Kg

Connections

Cable/Socket	cable 5 mt
Connector	1 x CCS2

Connectivity

Ethernet	yes
Wi-Fi	yes
4G LTE	yes
RFID	yes
RS485	-

Interconnection and configuration

OCCP	yes 1.6
Master/Slave function	-
Web App	Web Portal
Configuration	via Web
Photovoltaic mode	-

Cod. Description

GW30DC Wallbox 30KW DC cable CCS2 Combo



DC 60 model

The Super-Fast charging

At the **pinnacle of the Grohm range**, the DC 60 offers **rapid DC charging** for electric vehicles. With its dual connection CCS + CHAdeMO, it ensures compatibility with all types of vehicles on the market. This charger can be used to provide complimentary access service or for payment via the OCPP system 1.6.

The power is user-adjustable, with the capability to reach a maximum peak of **60 kW (up to 6 times faster)** for cars equipped with an internal **11kW AC** charger).

Standard

CHAdeMO 2.0 / DIN 70121 / ISO 15118 / IEC 61851

Electrical features

AC / DC	DC fino a 1000V
Mode	Mode 4
Input voltage	400Vac three-phase
Frequency	50 / 60 Hz
Max. voltage	95 A
Max. power	60 kW
Power modulation	-
MID Meter	-
RDC	-

General specifications

Housing Design	DC_60
Casing material	Stainless steel
Visual interface	7 inch display
Splash resistance	IP54
Mechanical resistance	IK10
Operating temperature	-25° / +45°
Operating Humidity	5% / 95%
Installation	a pavimento
Dimensions (excluding cables) mm	659 x 550 x 1730
Weight	280Kg

Connections

Cable/Socket	cable 5 mt
Connector	1x CCS2 + 1x CHAdeMO

Connectivity

Ethernet	yes
Wi-Fi	yes
4G LTE	yes
RFID	yes
RS485	-

Interconnection and configuration

OCCP	yes
Master/Slave function	-
Web App	Web Portal
Configuration	via Web
Photovoltaic mode	-

Cod.	Description
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GS60DC2C	Standalone column 60KW DC 2xcable CCS2 Combo
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3,7kw portable charger

Standard IEC 61851-1:2019

Electrical features

Mode 2	single phase
Input voltage	VAC 50Hz
Power Plug	Shuko
Max. current	16 A
Max. power	3,7kW

General specifications

Display	color
Splash resistance	IP65
Operating temperature	-25°/+45°
Operating Humidity	5-95%
Dimensions mm	235 x 105 x 85
Weight	1Kg

Connections

Type 2 socket	cable 6mt
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Cod.	Description
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GK3	Charging cable 3,7 KW mode 2
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charging cable type 2

Standard IEC 61851-1:2019

Electrical features

Mode 3	Mono and Three-phase
Input voltage	230 VAC or 400 VAC 50Hz
Max. voltage	32 A
Max. power	7,5kW or 22 kW

General specifications

Splash resistance	IP65
Operating temperature	-25°/+45°
Connections	Type 2 Socket - Type 2 Plug
Length	5mt

Cod.	Description
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GKM	Charging cable Single-phase type 2
GKT	Charging cable Three-phase type 2



prewired electrical panel

Versions	1 phase - 3 phase
Includes	SPD - Surge Protection
	MCB - Circuit breaker
	RCD - Residual current protection
	Fuse holders
Splash resistance	IP65
Optional	Automatic reset

Cod.	Description
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GZ07	Single phase prewired panel
GZ07T	Three-phase prewired panel





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GROHM APP

Simplify and intuitively manage your wall box. With the Grohm App, you can program recharging according to your needs and monitor the upload status in real time. Take a significant step towards a zero-emission future. Download the Grohm App now and start charging safely and conveniently. **For more information, visit grohm.it**
