Green'up™ Control

ELECTRIC VEHICLES CHARGING STATIONS WITH BUILT-IN CONNECTIVITY

#LegrandImprovingLives

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Green'up™ Control

ELECTRIC VEHICLES CHARGING STATIONS WITH BUILT-IN CONNECTIVITY

Electric and plug-in hybrid vehicles are an increasingly popular choice for drivers. Commercial premises and apartment buildings now have to integrate electric vehicle charging infrastructure (EVCI) that is both easy and safe to use. Read on to find out more about Legrand's Green'up Control range of charging stations with built-in connectivity along with their benefits.

MODE 1

AC power supply

Typically used for electric bikes, mopeds and scooters. The electric vehicle connects to standard 230 V socket outlets up to 16 A max.

MODE 2

AC power supply

Requires a protection device, which is usually integrated in the charging cable provided with the vehicle. The electric vehicle connects to standard domestic or heavy-duty 230 V socket outlets up to 16 A max. or to dedicated or industrial sockets up to 32 A max.

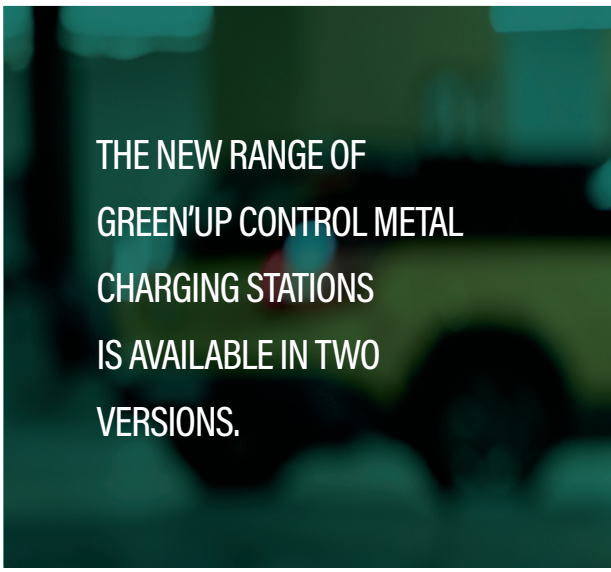
MODE 3

AC power supply

Requires a protection device that is integrated in the charging station. The electric vehicle connects to the grid via dedicated sockets – up to 22 kW (32 A). Communication between the station and the vehicle uses PWM (pulse width modulation).

Green'up™ Control

A well-designed range

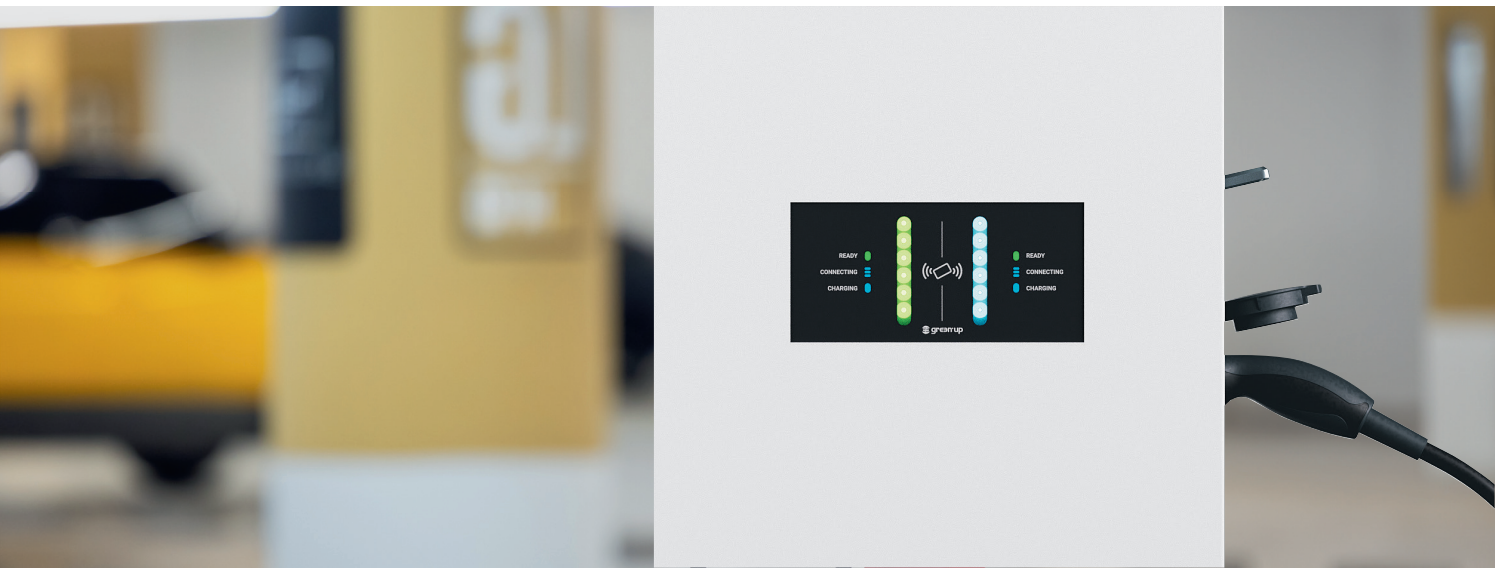


VERSION FOR CUSTOMER ASSEMBLY

This version is to be equipped with wall mounting kits or a pedestal for fixing to the ground. The same charging station can be wired in single-phase or three-phase mode depending on the type of installation and the power required.

Type of charging station	MODE 2 + MODE 3		MODE 3	
				
Mounting	Wall or floor*		Wall or floor*	
2P+E socket outlet (Mode 2)	French or German standard		-	
Number of charging points	1	2	1	2
Maximum power - single-phase installation	7.4 kW (adjustable)			
Maximum power - three-phase installation	22 kW (adjustable)			
Equipment included	RFID card reader Connectivity: 4G, Ethernet, WiFi MID electricity meter DC detection: 6 mA DC			

* Wall mounting with kit Cat.No 0 590 53 (to be ordered separately)
Floor mounting with kit Cat.No 0 590 54 (to be ordered separately)



PRE-ASSEMBLED VERSION

This is a complete version supplied ready to install with its wall or floor mounting and integrated protection devices (one RCBO for each charging point). Floor-mounted double charging stations also have an integrated isolator switch for connecting the power supply via a single input cable.

Type of charging station	MODE 3							
								
Mounting	Wall				Floor			
Number of charging points	1	2	1	2	1	2	1	2
Maximum power - single-phase installation	7.4 kW (adjustable)		-		7.4 kW (adjustable)		-	
Maximum power - three-phase installation	-		22 kW (adjustable)		-		22 kW (adjustable)	
Equipment included	RFID card reader Connectivity: 4G, Ethernet, WiFi MID electricity meter DC detection: 6 mA DC Protection device: 1 RCBO per charging point Mounting (wall or floor with metal front cover)							

FOR CUSTOMER ASSEMBLY

Green'up™ Control

The charging station that adapts to installation requirements

Green'up Control charging stations integrate native connectivity, can be remotely managed by charging point operators (CPO) and are compatible with OCPP 1.6 communication protocol. They can be powered by a single-phase or three-phase supply and are suitable for commercial use both indoors and outdoors. A protection device is required, as well as either a wall or a floor mounting kit depending on the specific installation requirements.

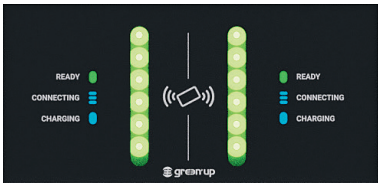
MODE 2 + MODE 3 CHARGING STATION

MODE 3 CHARGING STATION

1 **For any EV model**
Shuttered T2S EV plug socket for mode 3 charging

2 **Detection system patented by Legrand:**
With the Green'up Access Mode 2 socket, vehicles can detect the secure Green'up infrastructure and select the maximum power that can be supplied via the socket, resulting in a shorter charging time.

3 **Built-in RFID card reader with status indication**
- Ready
- Charging
- Connecting
- Fault



4 **Equipment and features included:**
- MID electricity meter to provide accurate consumption data and billing capability
- Connectivity: 4G (slot for SIM card and connection to charging point operator cloud platform)/ Ethernet/WiFi
- Dynamic load management (DLM) to optimise charging sessions across the installed base according to the number of vehicles charging and the power available, as well as to provide effective consumption monitoring and prevent overloads
- Direct connection to Viking 3 terminal block

i Upstream protection devices (not included) must be installed in the distribution board in accordance with applicable regulations.

MODE 2 + MODE 3/MODE 3

- IP55/IK10
- Maximum power
  - single-phase installation: 7.4 kW (adjustable)
  - three-phase installation: 22 kW (adjustable)

- Built-in 6 mA DC detection to limit the risk of residual direct current

- Detection system patented by Legrand conforms to IEC 61851-1

- Conforms to standards: IEC 61851-1, IEC 62191-1, IEC 62196-2, ISO 15118-2 (relating to the vehicle-to-grid communication interface)

- Conforms to Radio Equipment Directive (RED) cybersecurity requirements

Double charging stations allow two vehicles to be charged simultaneously at maximum power.
They have one type 2S socket on each side of the charging station.
The Mode 2 + Mode 3 charging stations are also equiped with one Green'Up Access socket on the right-hand side.

MOUNTING METHODS

Optimum flexibility offered by two mounting options:

- Wall mounting with kit Cat.No 0 590 53
- Floor mounting with pedestal Cat.No 0 590 54

LOCAL OR REMOTE CONTROL

Local control
The charging stations are equipped with an RFID card reader (which can be enabled or disabled as required). The user is identified to authorise access to the charging point and manage billing (if applicable).

The RFID reader accepts MIFARE type 13.56 MHz ISO cards, like those used in hotels, for access control, Legrand keycards, CPO EV charge cards, etc.

Remote control
Green'up Control charging stations can be controlled and managed remotely to allow:
- delegation of the management of the installed base of charging stations to a charging operator
- individual control of each charging station

PRE-ASSEMBLED

Green'up™ Control

Quick and easy to use

Pre-assembled Green'up Control charging stations allow one or two vehicles to be charged in Mode 3 simultaneously. They also integrate native connectivity, can be remotely managed by charging point operators (CPO) and are compatible with OCPP 1.6 communication protocol. They are supplied pre-assembled with their wall or floor mounting system, as well as electrical protection for each charging point.

WALL INSTALLATION

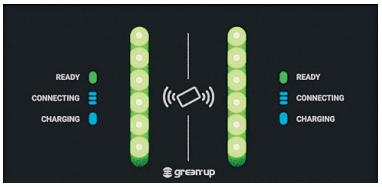
FLOOR INSTALLATION

MODE 3 CHARGING STATIONS

1 catalogue number =
1 complete product

1 **For any EV model**
Shuttered T2S EV plug socket for mode 3 charging

2 **Built-in RFID card reader with status indication**
- Ready
- Charging
- Connecting
- Fault



3 **Equipment and features included:**
- Integrated pre-wired protection devices (1 RCBO per charging point)
- MID electricity meter to provide accurate consumption data and billing capability
- Connectivity: 4G (slot for SIM card and connection to charging point operator cloud platform)/ Ethernet/WiFi
- Dynamic load management (DLM) to optimise charging sessions across the installed base according to the number of vehicles charging and the power available, as well as to provide effective consumption monitoring and prevent overloads
- Pre-assembled, floor-mounted double charging stations also have an integrated isolator switch for connecting the power supply via a single input cable.

i Upstream protection devices (not included) must be installed in the distribution board in accordance with applicable regulations.

MODE 3

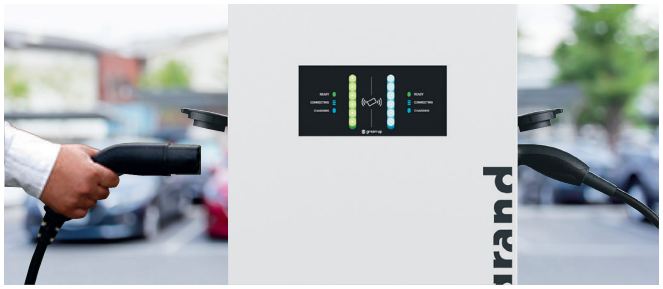
- IP55/IK10
- Maximum power
  - single-phase charging stations: 7.4 kW (adjustable)
  - three-phase charging stations: 22 kW (adjustable)

- Built-in 6 mA DC detection to limit the risk of residual direct current

- Conforms to standards: IEC 61851-1, IEC 62191-1, IEC 62196-2, ISO 15118-2 (relating to the vehicle-to-grid communication interface)

- Conforms to Radio Equipment Directive (RED) cybersecurity requirements

Double charging stations allow two vehicles to be charged simultaneously at maximum power. They have one type 2S socket on each side of the charging station.



LOCAL OR REMOTE CONTROL

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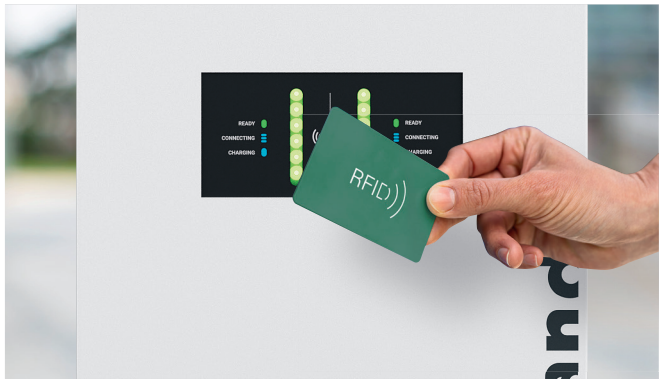
Remote control

Green'up Control charging stations can be controlled and managed remotely to allow:

- delegation of the management of the installed base of charging stations to a charging operator
- individual control of each charging station

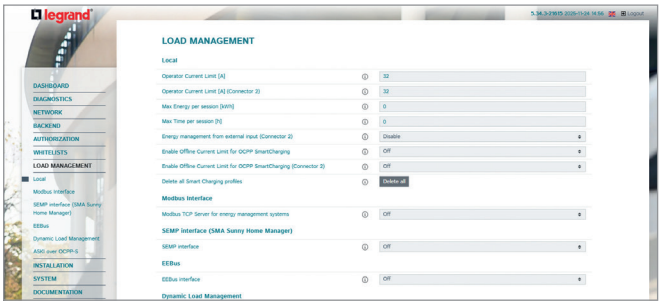


Controlling individual charging stations from a PC

Remote control and monitoring of Green'up Control charging stations is possible from a PC using the integrated web control solution. You can configure your charging stations and, if necessary, select the communication protocol for managing the installed base.

Parameter settings

FOR INSTALLATION AND MAINTENANCE OF EACH CHARGING STATION



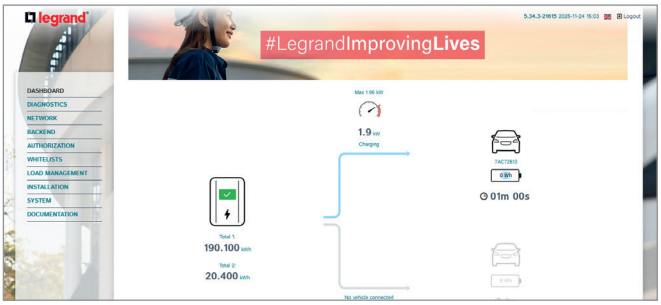
- Network settings
- DLM settings
- Keycard access settings
- Power limits
- Charging station updates

Selection of the management type if applicable:

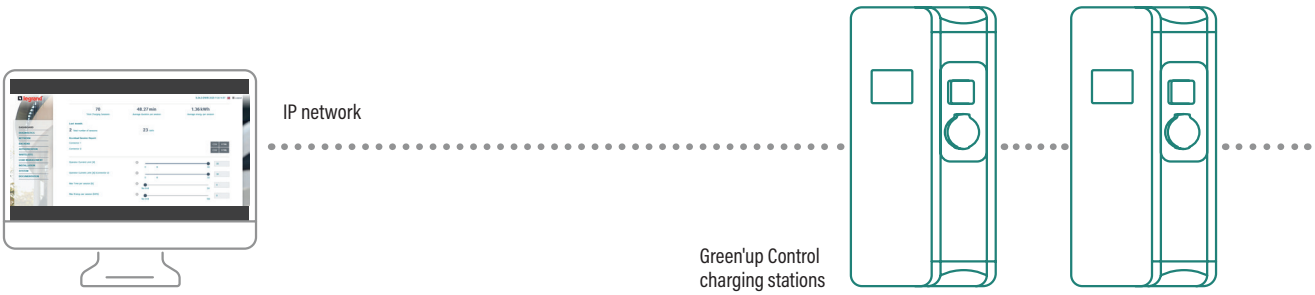
- Delegation to a charging operator (OCPP 1.6J standard)
- Monitoring via the Legrand Green'up charging manager web server* (OCPP 1.6J standard)

Operation

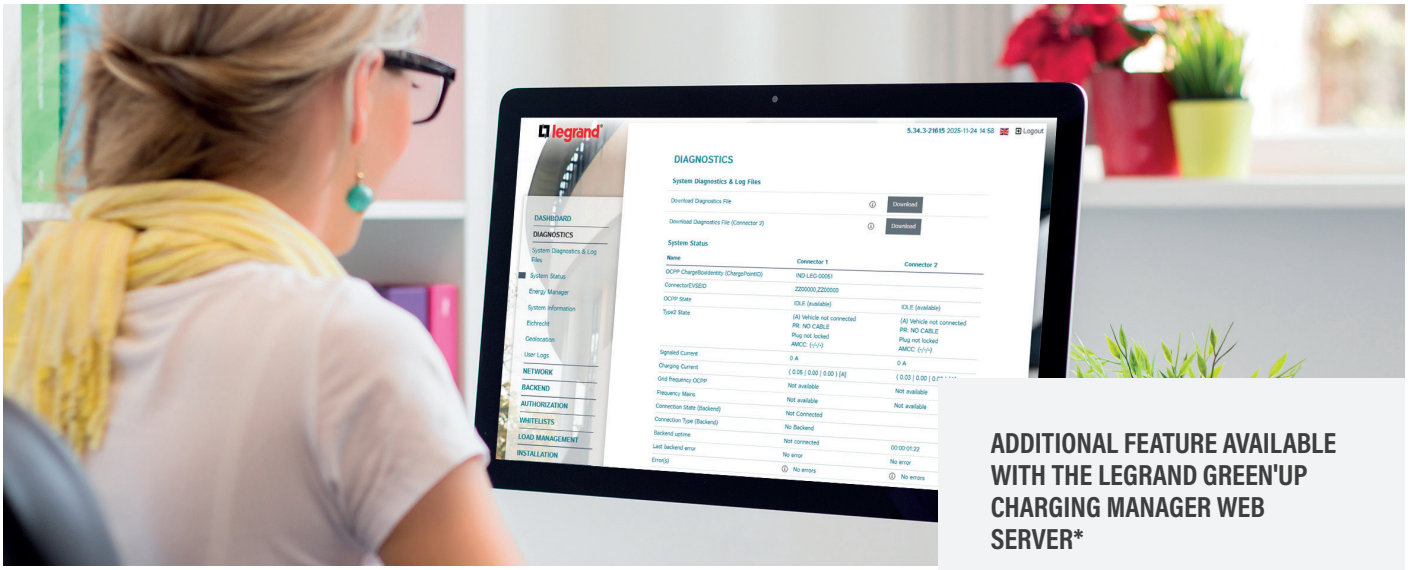
FOR USE AND REMOTE CONTROL OF EACH CHARGING STATION



- Current charging status
- Monitoring of charging station status
- System status (connection information)
- OCPP status
- Errors
- Charging sessions by RFID card/time of day/consumption

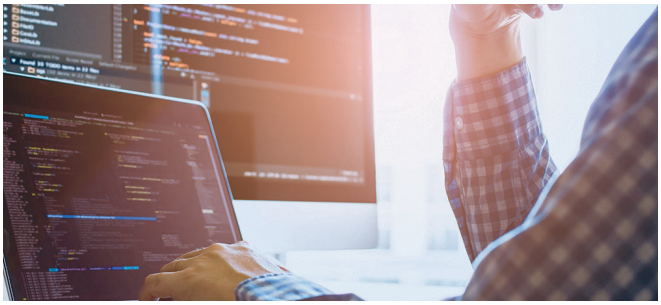


* Available from 2026



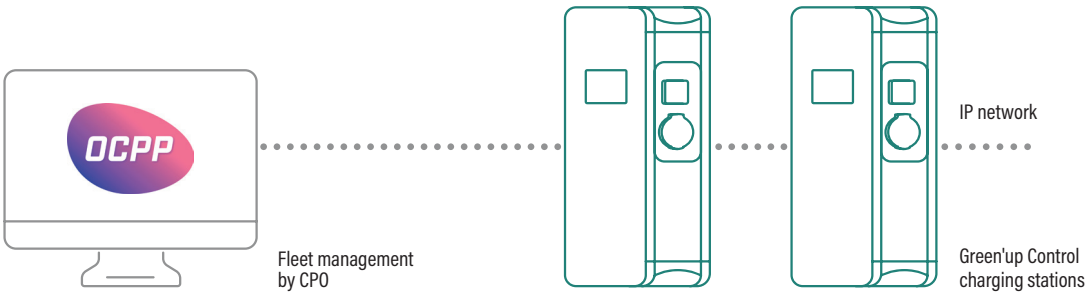
Delegation

REMOTE MANAGEMENT BY A CHARGING OPERATOR



- Access control
- Billing based on per kWh consumed or parking time
- Charging cost based on user ID
- Smart charging
- Charging station status
- Monitoring
- Maintenance

Green'up Control charging stations are compatible with the OCPP 1.6J standard



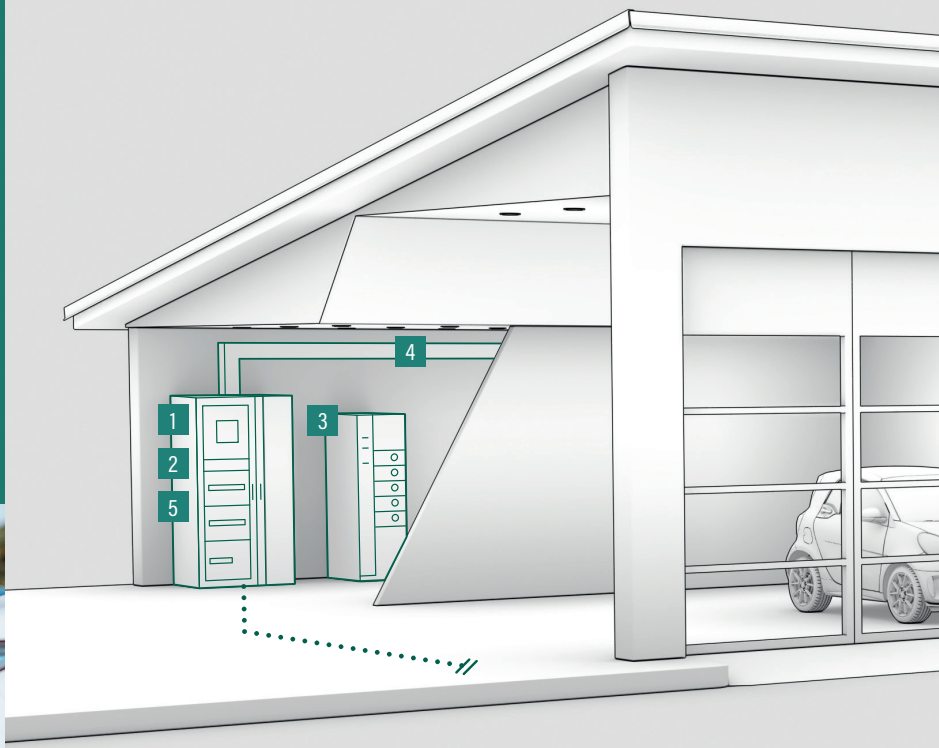
ADDITIONAL FEATURE AVAILABLE WITH THE LEGRAND GREEN'UP CHARGING MANAGER WEB SERVER*

- Display of the installed base of charging stations via an interactive dashboard
- Remote access management (RFID) for the installed base
- Dynamic load management for a hybrid installed base comprising different generations of Green'up charging stations

* Available from 2026

LEGRAND, MORE THAN EV CHARGING

In addition to EV charging stations, Legrand – the global specialist in electrical and digital building infrastructures – offers cohesive, consistent solutions to meet all your commercial and industrial building requirements.



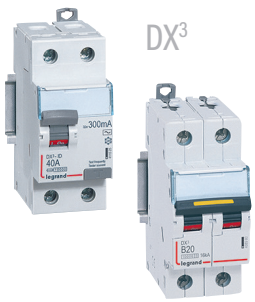
1 Enclosures

Distribution cabinets and enclosures
The answer to all your requirements for quality, robust, attractive solutions. Total modularity to ensure adaptability in the plant room.

XL³ or XL³ HP

2 Protection

RCCBs and circuit breakers
A powerful combination of high breaking capacity, high nominal current and compact size.



DX³

3 Service continuity

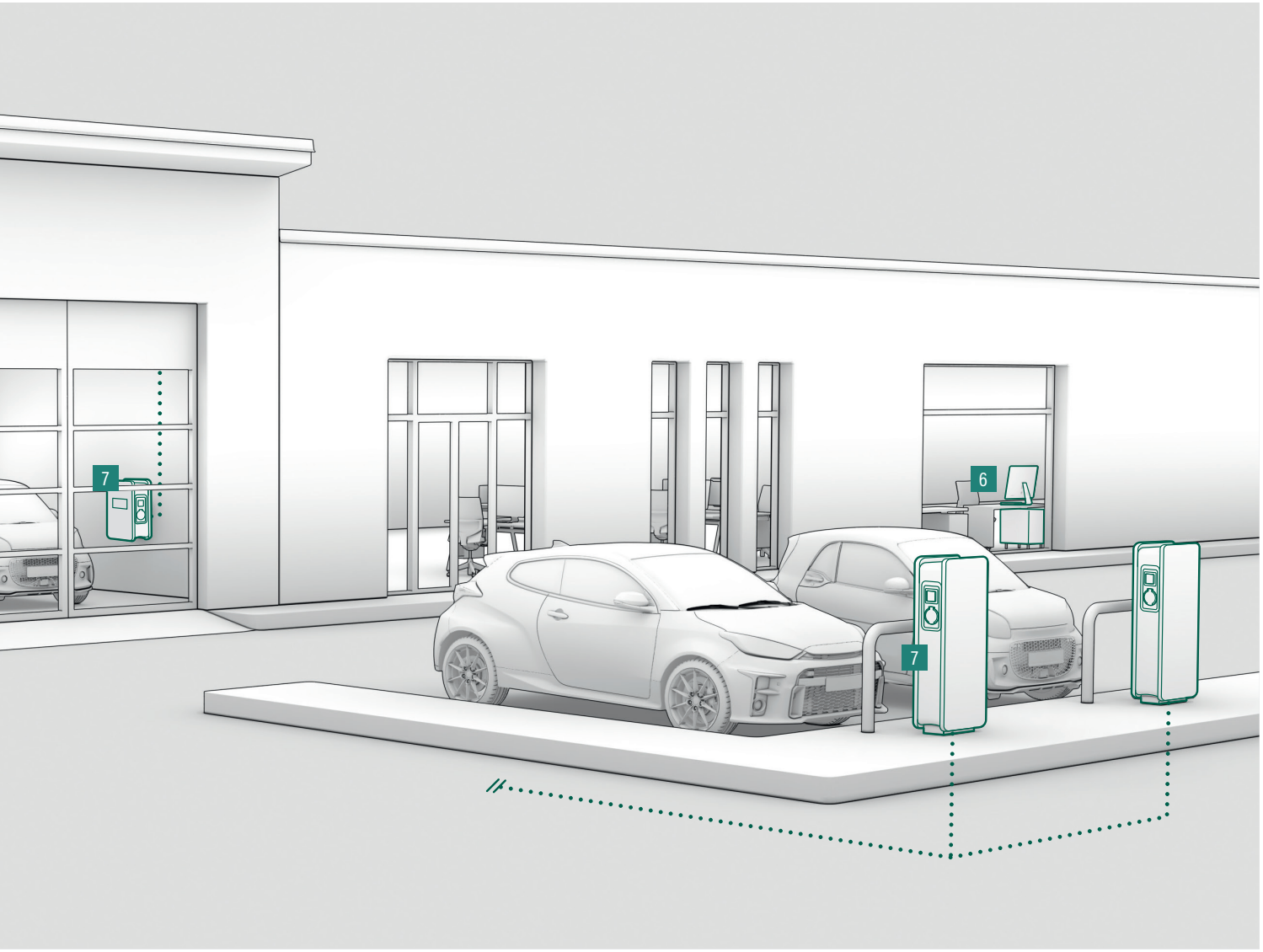
UPSs
Versatile solutions to ensure service continuity and power quality.

KEOR

4 Power distribution

Prefabricated busbar trunking, cable trays
Compact, robust systems to ensure optimal power distribution that are quick to install and scalable.

MR



5 Energy efficiency

Measure, inform, act
To optimise building energy consumption in order to modulate the charging power of the installed base without exceeding contractual capacity.

EMDX^3

6 Control and management

Local and remote
Displaying the status of each charging station, monitoring, configuration and testing during installation and maintenance.

7 EV charging

Green'up Control charging stations
Rugged charging stations that can be remotely managed by charging point operators (CPO) for charging all types of electric and plug-in hybrid vehicles in complete safety

GREEN'UP™ CONTROL

Green'up™ Control charging stations with integrated DC protection

to be equipped


0 580 29


0 580 29 + 0 590 53


0 580 29 + 0 590 54


0 580 19


0 580 19 + 0 590 53


0 580 19 + 0 580 54

Technical characteristics and wiring diagrams **p. 14**
Dimensions **p. 16**

IP 55- IK 10
Recommended for commercial building installations like office buildings, supermarkets, shops, vehicle fleets.
For charging all electric vehicles (equipped with single-phase and three-phase chargers) and plug-in hybrids in Mode 2 or Mode 3 in complete safety
Compliant with standards IEC 61851-1 and ISO 15118-2
Embeded features:
- Access management (RFID card reader)
- Power management (Dynamic Load Management)
- 4G / LAN / WiFi native connectivity. SIM card slot available for operated mode by charging point operator (CPO) for remote management, billing and supervision (OCPP 1.6 evolutive to 2.0.1)

Equipped with:
- MID electricity meters to provide accurate data for billing
- Status indication LEDs on the front of the charging station (green / blue / red)
- DC protection: 6 mA ⎓

Supplied with 2 RFID badges
Upstream protection devices (not supplied) must be installed in the electrical panel and comply with local regultaions: 1 protected dedicated line (2 dedicated lines for 2-vehicle charging station)
Can be equipped with current shunt trips Cat.No 4 062 76, to be ordered separately

Pack	Cat.Nos	Mode 2 + Mode 3 single-phase or three-phase charging stations
		Can be wired in single-phase mode (maximum power 7.4 kW) or in three-phase mode (maximum power 22 kW) Equipped with: - a 2P+E socket with Green'up Access safety shutter featuring the innovative Green'up system (a Legrand Group technology, which activates "maximum power" mode, ensuring fast, safe charging for 2P+E plugs. - a Type 2s socket (single -phase or three-phase operation) with shutters and pilot wire (Mode 3) Must be equipped with the following for: - wall mounting version: a mounting kit supplied with a metal front cover Cat.No 0 590 53 - free standing version: a pedestal supplied with a metal front cover Cat.No 0 590 54
		32 A - 7.4 kW (230 V∿ 50 Hz) or 22 kW (400 V∿ 50 Hz)
1	0 580 28	For charging 1 vehicle, equipped with French standard (Type E) Mode 2 socket
1	0 580 29	For charging 2 vehicles simultaneously, equipped with one French standard (Type E) Mode 2 socket
1	0 580 38	For charging 1 vehicle, equipped with German standard (Type F) Mode 2 socket
1	0 580 39	For charging 2 vehicles simultaneously, equipped with one German standard (Type F) Mode 2 socket

Pack	Cat.Nos	Mode 3 single-phase or three-phase charging stations
		Can be wired in single-phase mode (maximum power 7.4 kW) or in three-phase mode (maximum power 22 kW) Must be equipped with the following for: - wall mounting version: a mounting kit supplied with a metal front cover Cat.No 0 590 53 - free standing version: a pedestal supplied with a metal front cover Cat.No 0 590 54
		32 A - 7.4 kW (230 V∿ 50 Hz) or 22 kW (400 V∿ 50 Hz)
1	0 580 18	For charging 1 vehicle
1	0 580 19	For charging 2 vehicles simultaneously

		Equipment for mounting charging stations on the wall or fixing to the ground
		For metal charging stations
1	0 590 53	Wall mounting kit with metal front cover
1	0 590 54	Pedestal for fixing metal charging stations to the ground Supplied with metal front cover Option to integrate protection devices on plates or rail chassis (dimensions equivalent to Atlantic box 600 x 400 mm)

Green'up™ Control charging stations with integrated DC protection

supplied complete


0 580 91


0 580 93


0 580 92


0 580 94


0 767 11

Technical characteristics and wiring diagrams **p. 15**
Dimensions **p. 16**

IP 55 - IK 10
Recommended for commercial building installations like office buildings, supermarkets, shops, vehicle fleets.
For charging all electric vehicles (equipped with single-phase and three-phase chargers) and plug-in hybrids in Mode 3 in complete safety
Compliant with standards IEC 61851-1 and ISO 15118-2
Embeded features:
- Access management (RFID card reader)
- Power management (Dynamic Load Management)
- 4G / LAN / WiFi native connectivity. SIM card slot available for operated mode by charging point operator (CPO) for remote management, billing and supervision (OCPP 1.6 evolutive to 2.0.1)

Equipped with:
- MID electricity meters to provide accurate data for billing and RCBOs for each charging point
- Status indication LEDs on the front of the charging station (green / blue / red)
- DC protection: 6 mA ⎓
- Current shunt trips Cat.No 4 062 76

Supplied with 2 RFID badges
Protection devices supplied and pre-wired: one RCBO by charging point

Pack	Cat.Nos	Mode 3 - single-phase charging stations 32 A - 7.4 kW (230 V∿ 50 Hz)
		IP 55 - IK 10 Equipped with: - a Type 2s socket with shutters and pilot wire (Mode 3)
		Wall mounting Supplied with wall mounting kit with metal front cover
1	0 580 81	For charging 1 vehicle
1	0 580 91	For charging 2 vehicles simultaneously
		Free standing Supplied with a pedestal with metal front cover
1	0 580 83	For charging 1 vehicle
1	0 580 93	For charging 2 vehicles simultaneously Supplied with one pre-wired isolator switch

Pack	Cat.Nos	Mode 3 - three-phase charging stations 32 A - 22 kW (400 V∿ 50 Hz)
		Equipped with: - a Type 2s socket with shutters and pilot wire (Mode 3)
		Wall mounting Supplied with wall mounting kit with metal front cover
1	0 580 82	For charging 1 vehicle
1	0 580 92	For charging 2 vehicles simultaneously
		Free standing Supplied with a pedestal with metal front cover
1	0 580 84	For charging 1 vehicle
1	0 580 94	For charging 2 vehicles simultaneously Supplied with one pre-wired isolator switch

Pack	Cat.Nos	Badge for RFID reader
1	0 767 11	For Green'Up Control charging stations Mifare contactless badge ISO format (50 x 80 mm) Chip: 13.56 MHz Standard 1 kB memory

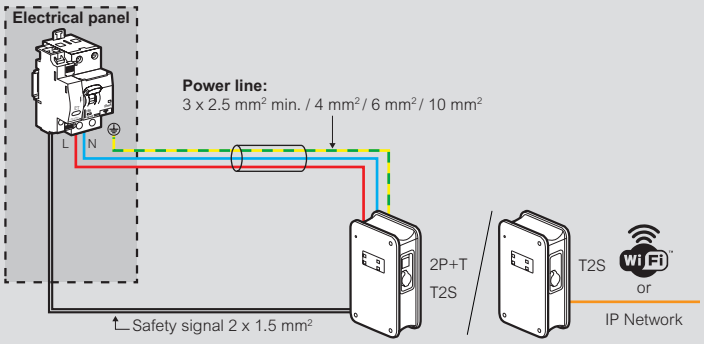
Green'up™ Control charging stations with integrated DC protection

to be equipped

Installation principle

Note: the wiring must be doubled up for a 2-vehicle charging station. The installation of a surge protective device is recommended.

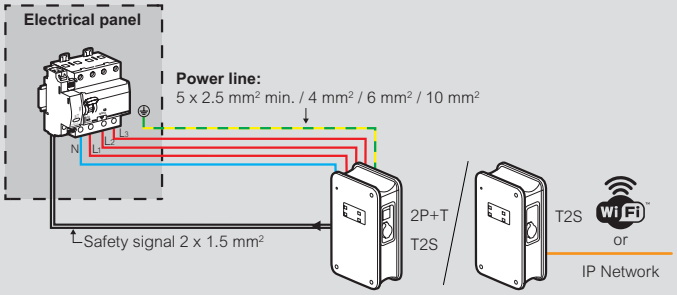
Mode 2 + Mode 3 and Mode 3 charging stations wired in single-phase version



Cat.Nos	0 580 18/19/28/29/38/39			
Power setting (kW)	3.7	4.6	5.8	7.4
Charging station rating (A)	16	20	25	32
Power line protection rating	20 A, C curve	25 A, C curve	32 A, C curve	40 A, C curve
RCD protection	30 mA F type			
Power line protection RCBO	4 110 95(1) or 4 107 54(2)	4 110 96(1) or 4 107 55(2)	4 110 97(1) or 4 107 56(2)	4 110 98(1) or 4 108 59(3)
Power line csa (mm² minimum)	2.5	4	6	10
Shunt trip / safety signal	4 062 76	4 062 76	4 062 76	4 062 76
2P+E line protection	included	included	included	included
Surge protective device	0 039 51	0 039 51	0 0 39 51	0 039 51

1: Neutral on the right-hand side (6000 / 10 kA)
2: Neutral on the left-hand side (4500 / 6 kA)
3: Neutral on the left-hand side (6000 / 10 kA)

Mode 2 + Mode 3 and Mode 3 charging stations wired in three-phase version



Cat.Nos	0 580 18/19/28/29/38/39			
Power setting (kW)	11	15	18	22
Charging station rating (A)	16	20	25	32
Power line protection rating	20 A, C curve	25 A, C curve	32 A, C curve	40 A, C curve
RCD protection	30 mA F type	30 mA F type	30 mA F type	30 mA F type
Power line protection MCB (6000/10 kA)	4 112 45(1)	4 112 46(1)	4 112 47(1)	4 079 32 + 4 105 34 or 4 079 02 + 4 105 33
Power line csa (mm² minimum)	2.5	4	6	10
Shunt trip / safety signal	4 062 76	4 062 76	4 062 76	4 062 76
2P+E line protection	included	included	included	included
Surge protective device	0 039 53	0 039 53	0 039 53	0 039 53

1: Neutral on the left-hand side

NOTE: The choice of protection devices and cable sizing must be defined according to the electrical installation calculations. The information provided in this catalogue is for guidance purposes only.

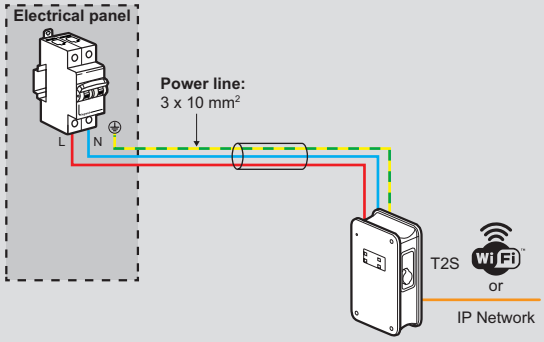
Green'up™ Control charging stations with integrated DC protection

supplied complete

Installation principle

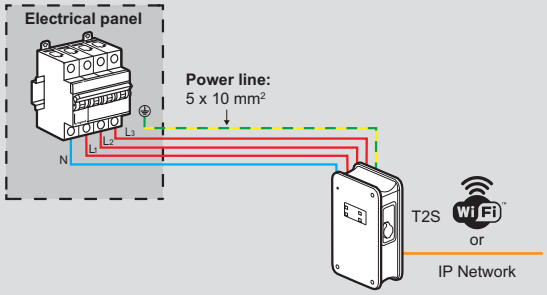
Note: the wiring must be doubled up for a 2-vehicle charging station. The installation of a surge protective device is recommended.

Single-phase Mode 3 charging stations



Cat.Nos	0 580 81/83/91/93
Power setting (kW)	7.4 kW (power adjustment possible)
Charging station rating (A)	32
Integrated protection RCBO (6000/10 kA)	RCBO inlcuded C curve, 40 A, 30 mA, Type F
Power line protection MCB (6000/10 kA)	C curve, 40 A
Power line csa (mm² minimum)	10
Shunt trip / safety signal	inlcuded
Surge protective device	0 039 51

Three-phase Mode 3 charging stations



Cat.Nos	0 580 82/84/92/94
Power setting (kW)	22 kW (power adjustment possible)
Charging station rating (A)	32
Integrated protection RCBO (6000/10 kA)	RCBO inlcuded C curve, 40 A, 30 mA, Type F
Power line protection MCB (6000/10 kA)	C curve, 40 A
Power line csa (mm² minimum)	10
Shunt trip / safety signal	included
Surge protective device	0 039 53

NOTE: The choice of protection devices and cable sizing must be defined according to the electrical installation calculations. The information provided in this catalogue is for guidance purposes only.

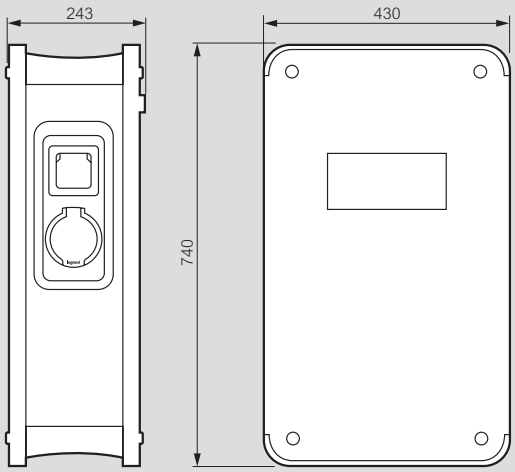
Green'up™ Control charging stations

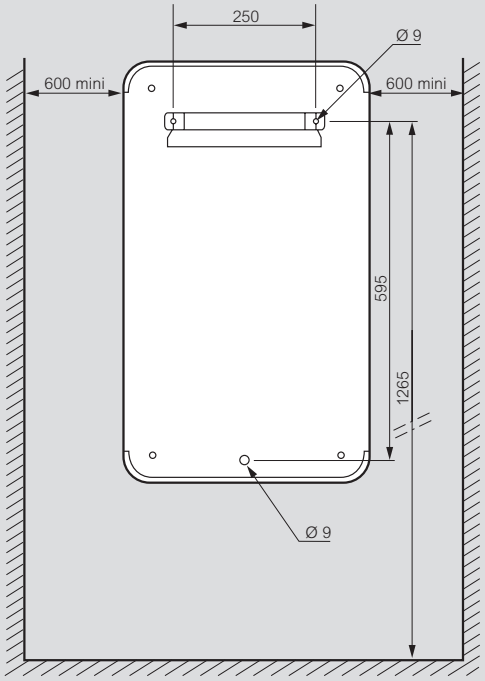
for electric vehicle charging (continued)

Dimensions and mounting for metal charging stations

Wall mounting charging stations with front cover

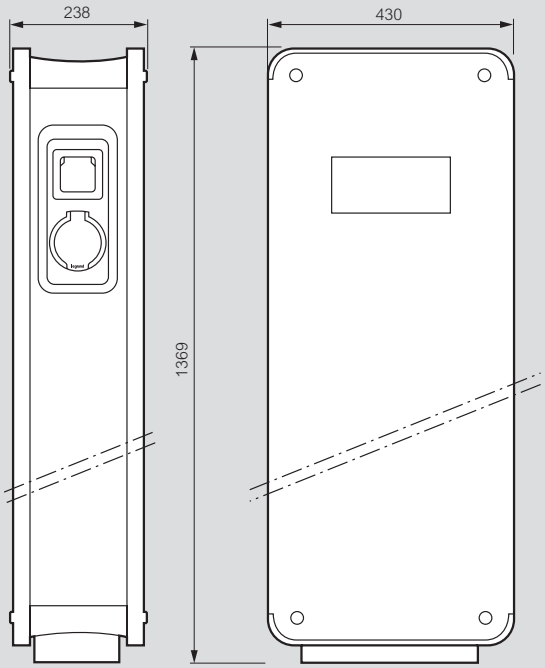
Cat.Nos 0 580 18/19/28/2938/39 + 0 590 53 and 0 580 81/82/91/92



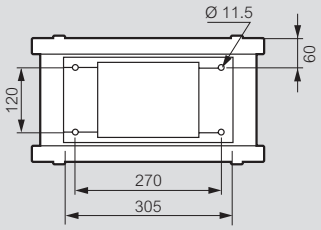


Free standing charging stations with front cover

Cat.Nos 0 580 18/19/28/2938/39 + 0 590 54 and 0 580 83/84/93/94



Fixing to the ground



Notes

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