



SOLUTIONS FOR CHARGING
ELECTRIC VEHICLES

GREEN'UP



GREEN'UP PREMIUM IK10 FREE STANDING



WALL MOUNTED CHARGER

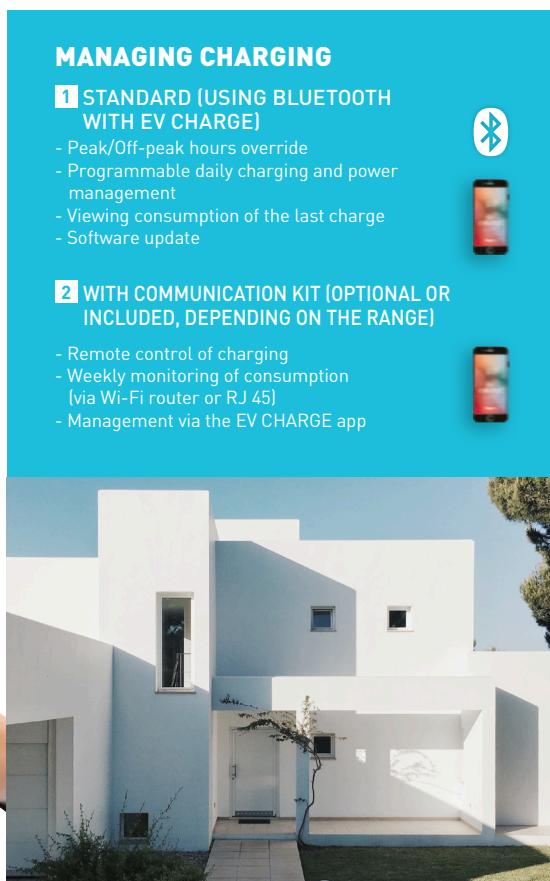
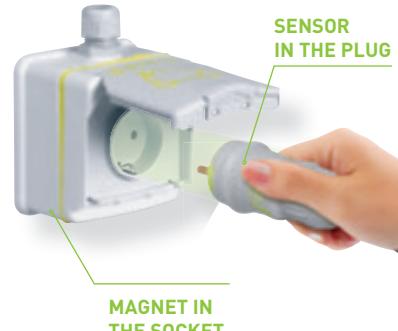
MODE 3



SOLUTION WHICH ALLOWS CHARGING TO BE CONTROLLED LOCALLY OR REMOTELY

The Green'up Premium charging station is used for charging vehicles in mode 2 and mode 3. With its native Bluetooth connection it can be used to control charging locally via the EV CHARGE application.

MODE 2



Green'up™ Access ready to install kit for electric vehicle charging



The Green'up system is based on an innovative Legrand technology, activating "maximum power" mode and ensuring a secure and fast charging process.

Complete solution:
Mode 2 socket + RCBO

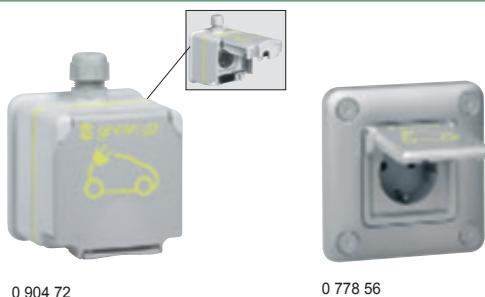


Installation principle p. 13
Dimensions p. 13

Pack Cat.Nos Ready to install kit - 16 A EV

Pack	Cat.Nos	Description
1	0 904 70	<p>Allows creating a safe infrastructure for electric and hybrid vehicle charging, using Mode 2 (or Mode 1) charging cables. Suitable for residential and workplace use.</p> <p>Power supply directly from the electrical panel: 1 dedicated line 3 x 2.5 mm² cable, protected with one RCBO (one line per socket).</p> <p>The kit contains:</p> <ul style="list-style-type: none"> - 1 heavy duty German standard Green'up Access plastic socket, with flap cover, IP 55 - IK 08 - 16 A - 230 V - 16 A EV, 6 mm² screw terminals, according to IEC 60884-1, NF C 61-314, VDE 620-1 - 1 base for hanging up the vehicle charging cable control box - 1 RCBO 20 A, C curve, 30 mA, Hpi type Cat.No 4 107 54 <p>The use of a surge protective device is recommended</p> <p>Recommended installation height: between 0.80 and 1.20 m from the floor</p>

Green'up™ Access sockets 16 A - 230 V - 16 A EV - for electric vehicles



0 904 72

0 778 56

Installation principle p. 13
Dimensions p. 13

Used for safely charging rechargeable electric and hybrid vehicles which take Mode 2 cord (compatible with Mode 1)
Connected to the consumer panel via one 3 x 2.5 mm² dedicated line (1 line per socket) protected by 30 mA - 20 A C curve, type A or HPI RCBO (or 30 mA type A or HPI RCCB + 20 A C curve circuit breaker)
Recommended installation height: 1.30 m from the floor
Suitable for residential and workplace use

Pack	Cat.Nos	Mode 1 and Mode 2 sockets - 16 A EV
1	0 904 72	<p>Heavy-duty mechanisms with silvered contacts Single-phase sockets - screw connection - 230 V Supplied with base Cat.No 0 904 78 for hanging up the vehicle charging cable control box For charging 1 vehicle Conform to IEC 60-884-1 IP 55 - IK 08 surface-mounting Suitable for installation in private houses Plastic socket with flap cover Supplied complete with surface mounting box fitted with an ISO 20 cable gland Dimensions (H x W x D): 98 x 98 x 70 mm (exc. cable gland)</p>
1	0 778 56	<p>German standard socket outlet</p> <p>IP 55 - IK 10 flush-mounting - metal socket Suitable for installation in private houses, lock-up garages, parking lots, etc Supplied complete with plate and support Mounting in 1-gang Batibox flush-mounting box depth 50 mm Can be surface mounted with box Cat.No 0 778 90 Dimensions (H x W x D): 110 x 110 x 13.5 mm</p>
1	0 778 57	<p>IP 55 - IK 10 flush-mounting - metal socket with locked flap cover Suitable for installation in private houses, lock-up garages, parking lots, etc Supplied complete with plate and support Mounting in 1-gang Batibox flush-mounting box depth 50 mm Can be surface mounted with box Cat.No 0 778 90 Dimensions (H x W x D): 110 x 110 x 13.5 mm Supplied complete with a unique set of 2 keys in order to restrict access to the socket</p>

Green'up™ Premium charging stations with integrated DC protection

for electric vehicle charging



Technical characteristics and wiring diagrams p. 20 and 21
 Dimensions (p. 22 and 23)

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 61851-22.

Charging station power can be adjusted with adapted protection devices and power supply circuits. Local wireless communication via embedded Bluetooth for configuration and control of charging station via smartphone or tablet using the IOS or Android compatible app.

Available functions: charging station status. daily charging program. charging station activation/deactivation. power management. firmware updates.

Application additional functions: weekly changing program. consumption monitoring.

Remote wireless IP communication with communication kit Cat.No 0 590 56.

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 (Mode 2)(2)
- a 3P+N+E (T2S) Type 2 socket with blanking plates (single-phase or three-phase operation) with pilot wire (Mode 3).

Integrated protection : 6 mA =

Connected and protected from the electrical panel via 1 protected dedicated line (2 dedicated lines for 2-vehicle charging station).

Off-peak control option via contactor. clock and switch (volt-free contact input 12 V =).

Remote ON/OFF control option (volt-free contact input 12 V=).

Pack	Cat.Nos	Plastic single-phase charging stations - Mode 3	Pack	Cat.Nos	Metal single-phase charging stations - Modes 2 and 3 (continued)
1	0 580 00	IP 44 - IK 08 Wall mounting charging stations to be equipped with pedestal Cat.No 0 590 52 for fixing to the ground 3.7/4.6 kW - 16/20 A For charging 1 vehicle 7.4 kW - 32 A Power adjustment option: - 3.7/4.6/5.7/7.4 kW - 16/20/25/32 A	1	0 580 43 0 580 44	7.4 kW - 32 A Power adjustment option: - 3.7/4.6/5.7/7.4 kW - 16/20/25/32 A For charging 1 vehicle For charging 2 vehicles simultaneously
1	0 580 01	For charging 1 vehicle			
		Plastic single-phase charging stations - Modes 2 and 3			Plastic three-phase charging station - Mode 3
1	0 580 30	IP 44 - IK 08 Wall mounting charging stations to be equipped with pedestal Cat.No 0 590 52 for fixing to the ground 3.7/4.6 kW - 16/20 A For charging 1 vehicle 7.4 kW - 32 A Power adjustment option: - 3.7/4.6/5.7/7.4 kW - 16/20/25/32 A	1	0 580 02	IP 44 - IK 08 Wall mounting charging station to be equipped with pedestal Cat.No 0 590 52 for fixing to the ground 22 kW - 32 A Power adjustment option: - 11/15/18/22 kW - 16/20/25/32 A For charging 1 vehicle
1	0 580 35	For charging 1 vehicle			
		Metal single-phase charging stations - Modes 2 and 3			Metal three-phase charging stations - Modes 2 and 3
1	0 580 41 0 580 42	IP 55 - IK 10 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 3.7/4.6 kW - 16/20 A For charging 1 vehicle For charging 2 vehicles simultaneously	1	0 580 48 0 580 49	IP 55 - IK 10 Must be equipped with the following for: - wall mounting version: a wall mounting kit supplied with a metal front cover Cat.No 0 590 53 - free standing version: a mounting pedestal supplied with a metal front cover Cat.No 0 590 54 22 kW - 32 A Power adjustment option: - 11/15/18/22 kW - 16/20/25/32 A For charging 1 vehicle For charging 2 vehicles simultaneously

1: Charging stations compliant with ZE Ready 1.2 and EV Ready specifications for construction regulations applicable to these products. ZE Ready and EV Ready are registered trademarks of Renault.

2: For vehicles with cable equipped with Legrand Green'up plug

Green'up™ Premium charging stations

equipment for wall mounting or fixing to the ground



0 590 52



Dimensions (p. 22 and 23)

Pack	Cat.Nos	Equipment for mounting charging stations on the wall or fixing to the ground
1	0 590 52	For plastic charging stations Pedestal for fixing plastic charging stations to the ground Option to integrate Plexo ³ boxes Cat.No 0 019 04/06/08(4 to 16 modules) for the protection devices
1	0 590 53 0 590 54	For metal charging stations Wall mounting kit with metal front cover 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™ Premium charging stations

communication options



Identification via RFID badge
0 590 59 + 0 590 56



0 767 11



Pack	Cat.Nos	Communication kit	Number of modules
1	0 590 56	<p>For controlling functions embedded in the charging station and configuring the charging station remotely from a smartphone or PC via IP (RJ 45) or Wi-Fi Access control: for association with centralised readers Cat.No 0 767 04 or standalone readers via the Wiegand protocol</p> <p>IP communication</p> <p>For connecting the charging station to the installation's IP network and ensuring its compatibility with the following protocols:</p> <ul style="list-style-type: none"> - OCPP 1.6 and 2.0 - MODBUS RS 485 (one MODBUS address per single charging station and two MODBUS addresses per double charging station) 	
1	0 590 59	<p>RFID reader</p> <p>RFID system (identification via RFID badge, integrated RFID encoder reader) available on metal charging stations with communication kit Cat.No 0 590 56</p> <p>Supplied with 1 badge to be activated Additional badges to be ordered separately ISO format Mifare Classic technology Cat.No 0 767 11/12/13</p>	
1	0 767 11	<p>13.56 MHz badges for badge readers</p> <p>ISO format badges Dim. 50 x 80 mm</p> <p> 13.56 MHz Mifare contactless badge</p>	
		<p>Energy management multi-support web servers</p> <p>Allow remote configuration, test, control and visualization, via a web browser on PCs, smartphones, web viewers, tablet computers, of data collected from: protection devices (DX³ add-on modules with integrated measurement control unit, DPX³ and DMX³), EMDX³ electricity meters and multi-function measuring units, CX³ energy management system and Green'up charging stations for electric vehicles. Direct IP connection</p> <p>4 rail mounting</p> <p>Power supply: 9 to 28 V = with the help of a single-phase switching mode power supply Cat.No 1 467 21 (see Legrand general catalog) to be ordered separately</p>	
1	4 149 47	For 10 Modbus addresses or 10 pulse modules	4
1	4 149 48	For 32 Modbus addresses or 32 pulse modules	4
1	4 149 49	Fixing on plate For 255 Modbus addresses or 255 pulse modules	

**World Headquarters**

and International Department

87045 Limoges Cedex - France

Tel : + 33 (0) 5 55 06 87 87

Fax: + 33 (0) 5 55 06 74 55

Head Office:

Jl. Pantai Indah Selatan

Komplek Pergudangan

Sentra Industri PIK A No. 6

Jakarta Utara 14470 - Indonesia

Telp :(+62) 5081 3081

Fax :(+62) 5081 3091

E-mail:sales.indonesia@legrand.co.id

Bandung:

Jl. Prof. Surya Sumantri Kav 5E

Bandung 40152 - Indonesia

Telp:(+62) 200 8979

E-mail: legrand.bandung@legrand.co.id

Surabaya:

Graha Pena Lantai 14, Suite 1407

Jl. A Yani 88 - Surabaya 60234

Telp :(+62-31) 3360 1221

E-mail: legrand.surabaya@legrand.co.id

Medan:

Jl. Thamrin 20B

Medan - Indonesia

Telp :(+62) 451 7396. 451 7431

Fax :(+62) 451 7431

E-mail: legrand.medan@legrand.co.id



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