



CirCarLife

Intelligent charging solutions
for electric vehicles

Short Form Catalogue 2016-2017

CirCarLife

**Intelligent charging solutions
for electric vehicles**

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Cir Car Life

The eMobility division comprises a set of products and solutions designed to facilitate the charge of vehicles that function with electrical energy.

The eMobility division aims to provide user-friendly solutions for the charge of electric vehicles in different scenarios, such as urban streets, intercity roads and public or private car parks, for multiple or single users.

Circularlife's product portfolio offers an innovative charging system in which the driver can manage the equipment autonomously with a proximity card that can be used either for access control or prepayment purposes.

All our products have been tested and certified by the most relevant European and Japanese car manufacturers, with great results in terms of efficiency and reliability.





AC WallBox

Smart charging system for car parks and communal blocks



eHome (Domestic)

Outdoor and indoor domestic car parks

Mode 3 / type 1 or type 2 cable

eHOME-Plus serie includes protection devices

Compatible with BeOn Sensor



eBasic (Domestic)

Outdoor and indoor domestic car parks

Mode 3 / type 1 or type 2 cable and socket

Compatible with BeOn Sensor



Smart (Work)

Outdoor and indoor public car parks

Mode 3 / type 1 or type 2 cable and socket

RFID, LCD display, ethernet, energy meter, OCPP/XML, 3G (optional)



Touch (Work)

Outdoor and indoor public & private car parks

Keypad for local settings

Mode 3 / type 1 or type 2 cable and socket

RFID, LCD display, ethernet, energy meter, OCPP/XML, 3G (optional)

AC Post

Charging system for city streets and inter-city roads



Urban Post (Work)

Mode 1,2 or 3 / Schuko or type 2 charging

Functional design

Metal housing



Smart Post (Destination)

Mode 1,2 or 3 / Schuko or type 2 charging

Vandal doors

ABS housing

Anti graffiti paint



eStreet Post (Destination)

Mode 1,2 or 3 / Schuko or type 2 charging

DSO extra space

Power utility meters

Key Lock

DC Charger

The fastest way of charging today's electric vehicles



Compact QC 50 kW (Destination)

Universal charger (CCS / CHAdeMO / Type 2)

LCD screen for user interaction

Start, Stop and emergency buttons

Light indications for status

RFID identification & prepayment



Raption 22kW (Destination / Work)

Universal charger (CCS / CHAdeMO / Type 2)

Touch-screen (inc. multi-language)

Stainless steel & IP54-IP65 structure

Easy-access service door

It allows wall-side mounting

Authentication required for unlocking the connectors

OCPP 1.5, 1.6

AC WallBox



eHome

Outdoor and indoor domestic car parks

Mode 3 / type 1 or type 2 cable

eHOME-Plus serie includes protection devices

Compatible with BeOn Sensor



eBasic

Outdoor and indoor domestic car parks

Mode 3 / type 1 or type 2 cable and socket

Compatible with BeOn Sensor



Smart

Outdoor and indoor public car parks

Mode 3 / type 1 or type 2 cable and socket

RFID, LCD display, ethernet, energy meter, OCPP/XML, 3G (optional)



Touch

Outdoor and indoor public & private car parks

Keypad for local settings

Mode 3 / type 1 or type 2 cable and socket

RFID, LCD display, ethernet, energy meter, OCPP/XML, 3G (optional)

WallBox Selection Table



	eHome	eHome plus	eBasic cable	eBasic Socket	eBasic MIX	Domestic ZER cable	Domestic ZER socket	Smart cable	Smart socket	Smart MIX	Touch cable	Touch socket
Cable Type 1	•	•						•			•	
Cable type 2	•	•	•			•		•			•	
Socket (Mode 3, Type 2)				•	• + schuko		•		•	• + schuko		•
Protections		•										
Single-phase	•	•	•	•	•	•	•	•	•	•	•	•
Three-phase			•	•	•	•	•	•	•		•	•
Nissan Ready	Optional											
Z.E. Ready						•	•	Optional				Optional
RFID lector								•	•	•	•	•
Communication						•	•	•	•	•	•	•
HMI + Display						•	•	•	•	•	•	•

Optional Accesories

	eHome	eHome plus	eBasic cable	eBasic Socket	eBasic MIX	Domestic ZER cable	Domestic ZER socket	Smart cable	Smart socket	Smart MIX	Touch cable	Touch socket
eHome BeOn compatible	•	•	•	•	•							
Cable support	•	•	•			•		•			•	
Pedestal				•	•		•		•	•		•
Heater	•	•	•	•	•	•	•	•	•	•	•	•
3G Modem						•	•	•	•	•	•	•

eHome

eHome is designed to be easily installed in outdoor and indoor private car parks and delivered to car manufacturers. These eHome series have been optimized to have the best ratio cost/features of the market.

As a result, we offer WallBoxes that are able to charge all EV of the market, all the eHome series are available with tethered cable type 1 & 2 (following the Mode 3 of the standard IEC61851).

The new eHOME-Plus serie includes protection devices (see table optional accessories)

eHome plus



eHome



Features

Modern and robust design, optimized for domestic use

Easy installation & reduced dimensions

Current setup by means of a dipswitch

Remote charging activation

Status RGB led bar (ready, charging, error blinking sequence)

Full charge detection

Front door with access key*

Safety protections RCD (type A or B) & heater, energy meter*

*see table optional accessories

WallBox charging system for domestic use

Main Specifications

AC power supply	1P + N + PE
AC input Voltage	230 VAC +/- 10%
Maximum output power	3,7 kW - 7,4 kW
Maximum output current	16 A - 32 A
Charging system	Type 1 /Type 2 tethered cable (Mode 3)
Cable length	5 meters
Enclosure rating	IP 54 / IK 10
Installation mode	Simple installation, 3-point wallfixing
LED bar	WallBox status RGB LED bar
eHome size (without cable)	315 mm x 180 mm x 110 mm

Ref	Code	V in	Max. input Current	V out	Output Current	Output Power	Connector Type	Charging Mode
CCL-eHOME T1C16	490216	230 V ±10% (1P+N)	16 A	230 V	16 A	3,7 kW	Type 1 tethered cable	Mode 3
CCL-eHOME T1C32	490217	230 V ±10% (1P+N)	32 A	230 V	32 A	7,4 kW	Type 1 tethered cable	Mode 3
CCL-eHOME T2C16	490218	230 V ±10% (1P+N)	16 A	230 V	16 A	3,7 kW	Type 2 tethered cable	Mode 3
CCL-eHOME T2C32	490219	230 V ±10% (1P+N)	32 A	230 V	32 A	7,4 kW	Type 2 tethered cable	Mode 3

Optional Accessories (Protections) eHome plus

RCD Type A	Protections RCD (residual-current device). Type A 30mA
RCD Type B	Protections RCD (residual-current device). Type B 30mA
Energy meter	Class B Active Energy / Class 2 Reactive Energy. Includes protections RCD Type A 30 mA
Low Temp Kit	Extended temperature range (-30°C to +50°C). Included in eHome plus serie

Optional Accessories eHome & eHome plus series

eHome BeON	Smart power synchronization sensor. The optimal solution for the domestic EV charge. Dynamic power adjustment
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eHome BeON

eBasic

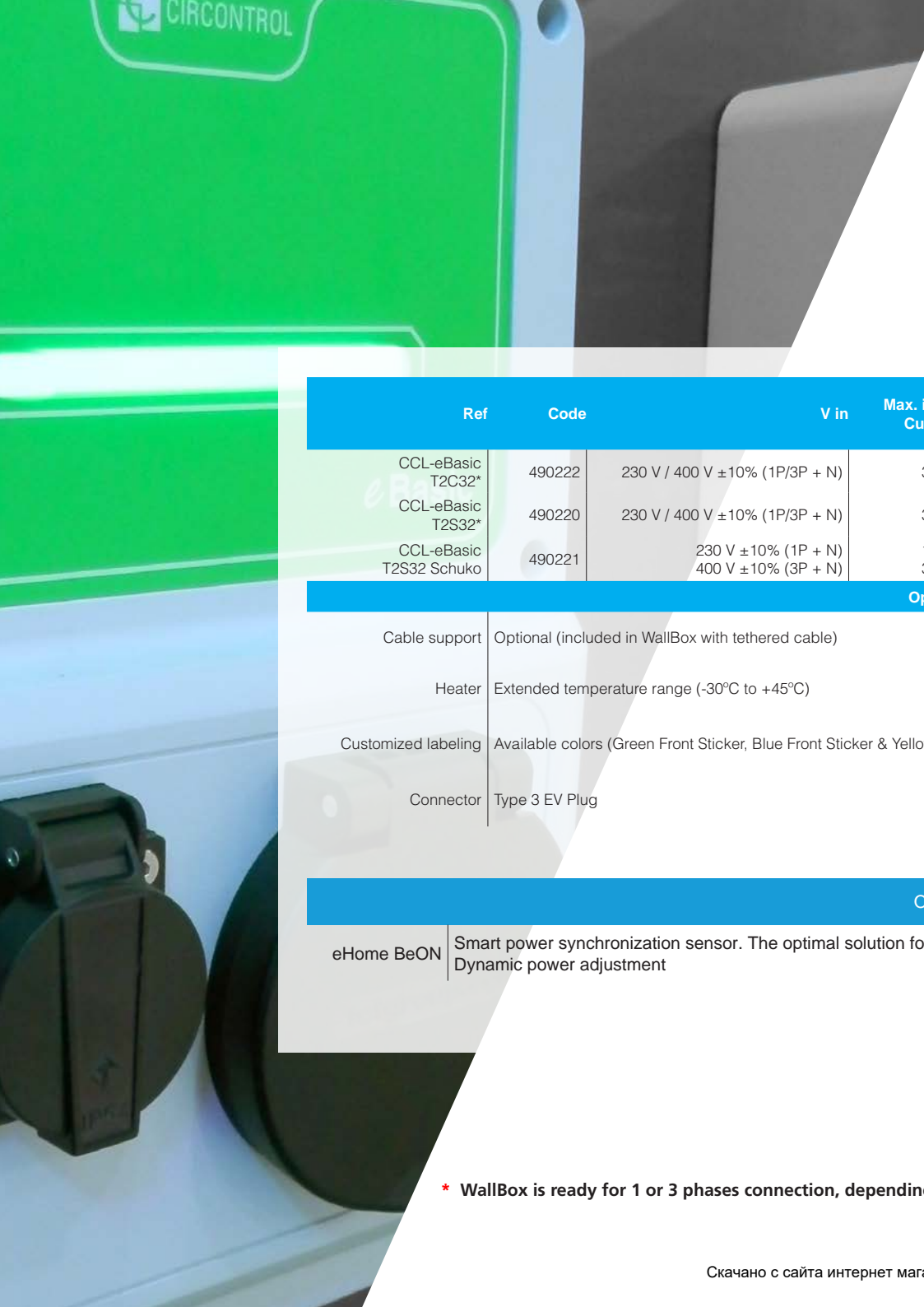
The eBasic WallBox has been specially designed for domestic use at indoor or outdoor residential garages. Besides, it is compatible with all hybrid plug-in or pure electric cars with an easy installation into your garage wall. It is capable to charge your electric car complying with safety regulations and standard IEC61851.

Thanks to its auto start mode 3 unit and 3-colour LED indicator located in the front panel of the WallBox, you can easily charge and monitor your electric vehicle charging process.

WallBox charging system for domestic use

CCL eBasic T2S32





Ref	Code	V in	Max. input Current	V out	Output Current	Output Power	N° Sockets	Connector Type	Charging Mode
CCL-eBasic T2C32*	490222	230 V / 400 V ±10% (1P/3P + N)	32 A	230 V / 400 V	32 A	7,4 kW / 22 kW	1	Type 2 (Tethered cable)	Mode 3
CCL-eBasic T2S32*	490220	230 V / 400 V ±10% (1P/3P + N)	32 A	230 V / 400 V	32 A	7,4 kW / 22 kW	1	Type 2 (Lock Socket)	Mode 3
CCL-eBasic T2S32 Schuko	490221	230 V ±10% (1P + N) 400 V ±10% (3P + N)	16 A 32 A	230 V 400 V	16 A 32 A	3,7 kW 22 kW	2	Schuko Type 2 (Lock Socket)	Mode 1 or 2 Mode 3

Optional features and accessories

Cable support	Optional (included in WallBox with tethered cable)
Heater	Extended temperature range (-30°C to +45°C)
Customized labeling	Available colors (Green Front Sticker, Blue Front Sticker & Yellow Front Sticker)
Connector	Type 3 EV Plug

Optional Accessories

eHome BeON	Smart power synchronization sensor. The optimal solution for the domestic EV charge. Dynamic power adjustment
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* WallBox is ready for 1 or 3 phases connection, depending on local installation.

eHome BeON

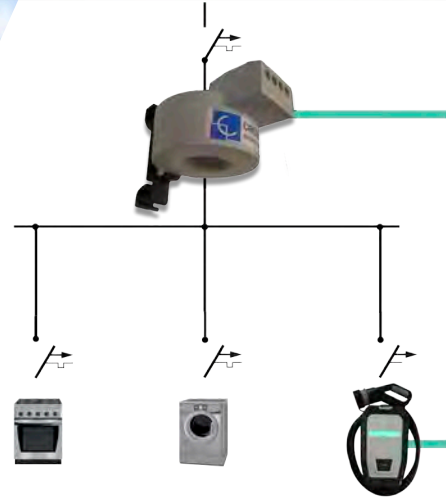
One of the main problems that electric vehicle users find while trying to charge their cars at home is that a potential non-expected overconsumption may cause a blackout. This is because the electric vehicle consumption is shared with the rest of the electrical devices installed at home. The uncontrolled and random consumption of these devices added to the electric vehicle charge could cause a blackout that can only be fixed by turning off one of the appliances or by disconnecting your electric vehicle.

Circontrol has developed eHome BeON, the first intelligent sensor that, together with charging equipment eHome and eBasic, synchronizes the electric vehicle charge with the house. This solution, unique in the market, consists on an electrical device called BeON that can be easily added to the usual protection panel at home.

The eHome BeON will adjust dynamically your electric vehicle consumption, taking the consumption supported by your installation as a reference. This device generates and sends a control signal to the eHome that allows it to regulate electric vehicle's consumption if it is necessary. eHome BeON allows charging your electric vehicle without increasing the contracted power and avoiding blackouts.

BeON





The intelligent sensor to avoid blackouts while charging your EV at home



The optimal solution for the domestic EV charge



Dynamic power adjustment



Your battery always full

Ref	Code	Max. current contracted	Max. power contracted (single phase)
CCL-BeON-20	consult	20 A	4.60 kW
CCL-BeON-25	490267	25 A	5.75 kW
CCL-BeON-30	490268	30 A	6.90 kW
CCL-BeON-35	490269	35 A	8.05 kW
CCL-BeON-40	490270	40 A	9.20 kW
CCL-BeON-50	490271	50 A	11.50 kW
CCL-BeON-63	490272	63 A	47.49 kW

Smart

The WallBox Smart has been specially designed to be used at public indoor-outdoor car park installations, as well as communal blocks, shopping malls, municipalities, private company fleets, etc.

This series provides multiple power options and meet all vehicle standards to charge the whole hybrid plug-in and pure electrical vehicles existing in the market.

It includes integration with XML & OCPP protocols and advanced communication capabilities (Ethernet, 3G...).

The station incorporates a display, a RFID card reader, smart metering and the mentioned communication capabilities to be adapted to an innovative smart grid system.

WallBox Smart
Tethered cable Type 2



WallBox charging system for car parks & communal blocks

Features



3G Modem (Optional)



RFID Reader



LCD Display



Ethernet



Energy Meter



OCPP / XML

Ref	Code	V in	Max. input Current	V out	Output Current	Output Power	N° Sockets	Connector type	Charging Mode	
	CCL-WBC-SMART	490075	230 V ±10% (1P + N)	16 A	230 V	16 A	3,7 kW	1	Type 1 ((Tethered cable)	Mode 3
	CCL-WBC 32-SMART	490124	230 V ±10% (1P + N)	32 A	230 V	32 A	7,4 kW	1	Type 1 (Tethered cable)	Mode 3
	CCL-WBMC-SMART	490149	230 V ±10% (1P + N)	32 A	230 V	32 A	7,4 kW	1	Type 2 (Tethered cable)	Mode 3
	CCL-WBMC-SMART-TRI	490179	400 V ±10% (3P + N)	32 A	400 V	32 A	22 kW	1	Type 2 (Tethered cable)	Mode 3
	CCL-WBM-SMART	490073	230 V ±10% (1P + N)	32 A	230 V	32 A	7,4 kW	1	Type 2 (Lock Socket)	Mode 3
	CCL-WBM-SMART-TRI	490089	400 V ±10% (3P + N)	32 A	400 V	32 A	22 kW	1	Type 2 (Lock Socket)	Mode 3
	CCL-WB-MIX-SMART	490077	230 V ±10% (1P + N) 230 V ±10% (1P + N)	16 A 32 A	230 V 230 V	16 A 32 A	3,7 kW 7,4 kW	2	Schuko Type 2 (Lock Socket)	Mode 1 or 2 Mode 3
	CCL-WB2M- SMART	490106	230 V ±10% (1P + N) 230 V ±10% (1P + N)	32 A 32 A	230 V 230 V	32 A 32 A	7,4 kW 7,4 kW	2	Type 2 (Lock Socket) Type 2 (Lock Socket)	Mode 3
	CCL-WB2M- SMART-TRI	490107	400 V ±10% (3P + N) 400 V ±10% (3P + N)	32 A 32 A	400 V 400 V	32 A 32 A	22 kW 22 kW	2	Type 2 (Lock Socket) Type 2 (Lock Socket)	Mode 3

Optional features and accessories

Cable support	Optional (included at WallBox with tethered cable)
Heater	Extended temperature range (-30° to +45°C)
3G modem	3G and GPRS communications
Customized labeling	Available colors (Green Front Sticker, Blue Front Sticker & Yellow Front Sticker)
Pedestal single	Pedestal for one WallBox
Pedestal double	Pedestal for two WallBox
Connector	Type 3 EV Plug

WallBox Touch

Designed for public and private indoor & outdoor car parks, the WallBox Touch is the new generation for EV charging stations.

Besides having the great features of its predecessor WallBox Smart, includes a 4-key keypad that allows a direct access to any of the WallBox settings.

Indeed, by using the "Home" button, the user can gain access to a menu bar which enables different parameters to be set to suit driver's specific needs.



Keypad

User-friendly WallBox charging system for car parks & communal blocks

Features



3G Modem (Optional)



RFID Reader



LCD Display



Ethernet



Energy Meter



OCPP / XML

WallBox Touch
Tethered cable Type 2

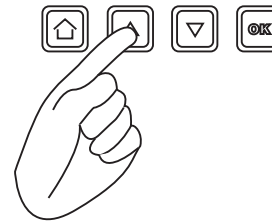


WallBox Touch
Socket Type 2





Also includes a 4-key pad that allows a direct access to the unit setup menu to configure settings



Configurable Settings
Master card activation
Output current (16 or 32A)
Date / time
User whitelist for access control / Prepayment
Scheduled or immediate charging process
Energy reading

This way, the Wallbox Touch makes easy to suit the driver's specific needs.

Ref	Code	V in	Max. input Current	V out	Output Current	Output Power	N° Sockets	Connector Type	Charging Mode
CCL-WBC-TOUCH	490189	230 V ±10% (1P + N)	16 A	230 V	16 A	3,7 kW	1	Type 1 (Tethered cable)	Mode 3
CCL-WBC32-TOUCH	490188	230 V ±10% (1P + N)	32 A	230 V	32 A	7,4 kW	1	Type 1 (Tethered cable)	Mode 3
CCL-WBMC-TOUCH-TRI	490187	400 V ±10% (3P + N)	32 A	400 V	32 A	22 kW	1	Type 2 (Tethered cable)	Mode 3
CCL-WBM-TOUCH-TRI	490186	400 V ±10% (3P + N)	32 A	400 V	32 A	22 kW	1	Type 2 (Lock Socket)	Mode 3

Optional features and accessories

Cable support	Optional (included in WallBox with tethered cable)
Heater	Extended temperature range (-30 °C to +45 °C)
3G modem	3G and GPRS communications
Customized labeling	Available colors (Green Front Sticker)
Pedestal single	Pedestal for one WallBox
Pedestal double	Pedestal for two WallBox
Connector	Type 3 EV Plug

Wallbox ZE Ready

Circontrol offers WallBox charging solutions with Z.E. READY label. Z.E. Ready is a label created for RENAULT partners, including charging infrastructure suppliers and mobility operators, to demonstrate that they have provided a charging solution that is compatible with RENAULT Z.E. vehicles.

The technical requirements attached to the Z.E. READY label are based on existing standards and regulations, but go beyond them to provide the customer with a more robust product. Includes the product and its installation.

WallBox Smart ZER



ZE Ready®



Features



3G
Modem
(Optional)



RFID
Reader



LCD
Display



Ethernet



Energy
Meter



OCPP / XML

Domestic Range

Ref	Code	V in	Max. input Current	V out	Output Current	Output Power	N° Sockets	Connector Type	Charging Mode
CCL-WBMC-ZER	Consult	230 V ±10% (1P + N)	16 A	230 V	16 A	3,7 kW	1	Type 2 (Tethered cable)	Mode 3
CCL-WBMC-TRI-ZER	Consult	230 V ±10% (1P + N)	32 A	230 V	32 A	7,4 kW	1	Type 2 (Tethered cable)	Mode 3
CCL-WBM-ZER	Consult	400 V ±10% (3P + N)	32 A	400 V	32 A	22 kW	1	Type 2 (Tethered cable)	Mode 3
CCL-WBM-TRI-ZER	Consult	400 V ±10% (3P + N)	32 A	400 V	32 A	22 kW	1	Type 2 (Lock Socket)	Mode 3

Public Range

Ref	Code	V in	Max. input Current	V out	Output Current	Output Power	N° Sockets	Connector Type	Charging Mode
CCL-SMART-ZER	Consult	230 V ±10% (1P + N)	16 A	230 V	16 A	3,7 kW	1	Type 2 (Tethered cable)	Mode 3
CCL-SMART-TRI-ZER	Consult	230 V ±10% (1P + N)	32 A	230 V	32 A	7,4 kW	1	Type 2 (Tethered cable)	Mode 3
CCL-TOUCH-TRI-ZER	Consult	400 V ±10% (3P + N)	32 A	400 V	32 A	22 kW	1	Type 2 (Lock Socket)	Mode 3

Optional features and accessories

Cable support	Optional (included in WallBox with tethered cable)
Heater	Extended temperature range (-30° to +45°C)
3G modem	3G and GPRS communications
Customized labeling	Available colors (Green Front Sticker)
Pedestal single	Pedestal for one WallBox
Pedestal double	Pedestal for two WallBox
Connector	Type 3 EV Plug

Multipoint System

The Multipoint System has been designed to give an intelligent solution for charging the electric car parks with multiple sockets providing an easy integration with the existing parking management systems.

Multipoint system includes a master controller where the identification and selection of charging points are performed. The system allows to program an immediate or scheduled electric vehicle charging process.

Manage multiple outlet sockets

WallBox Slave



Features



RS-485



Energy Meter

Multipoint Controller



Features



RFID Reader



10" - Touch Screen



Ethernet / RS-485

Multipoint Controller

Ref	Code	Supply	Power	Input Voltage	LCD Display
CCL-CML	490055	1P + N	60 W	230 V \pm 10	10"

WallBox Slave

Ref	Code	V in	Max. input Power	V out	Output Current	Output Power	N° Sockets	Connector Type	Charging Mode	Bus
CCL-WBS-SL	490091	230 V \pm 10% (1P + N)	3,7 kW	230 V	16 A	3,7 kW	1	Schuko	Mode 1	RS485
CCL-WBM-SL	490092	230 V \pm 10% (1P + N)	7,4 kW	230 V	32 A	7,4 kW	1	Type 2*	Mode 3	RS485
CCL-WBM-SL-MIX	490094	230 V \pm 10% (1P + N) 230 V \pm 10% (1P + N)	3,7 kW 7,4 kW	230 V 230 V	16 A 32 A	3,7 kW 7,4 kW	2	Schuko Type 2*	Mode 1 or 2 Mode 3	RS485
CCL-WBM-SL-MIX-TRI	490095	230 V \pm 10% (1P + N) 400 V \pm 10% (3P + N)	3,7 kW 22 kW	230 V 400 V	16 A 32 A	3,7 kW 22 kW	2	Schuko Type 2*	Mode 1 or 2 Mode 3	RS485

* Type 2 Sockets with lock system

AC Post

Charging solutions for city streets & intercity roads



Urban Post

Mode 1,2 or 3 / Schuko or type2 charging

Functional design

Metal housing



Smart Post

Mode 1,2 or 3 / Schuko or type2 charging

Vandal doors

ABS stylist enclosure

Anti graffiti paint



eStreet Post

Mode 1, 2 or 3 / Schuko or type2 charging

Distributor system operator (DSO) extra space

Company meters

Key lock





Urban Post

The new Urban Post series is designed to be installed on urban and intercity streets and charging two and four-wheel electrical vehicles. In addition to this, the Urban Post meets the maximum protection level against vandalism (IK=10) and its enclosure allows to work in extreme climatic conditions, improving the lifespan of the electric charger.

The Urban Post has outstanding integration capabilities with most of the market backoffice systems, given its compatibility with XML & OCPP protocols, and it also includes an RFID card reader. Following Circontrol's philosophy, the Urban Post can be customized by software and brand labeling when specific conditions are met.

Charging systems for city streets & intercity roads

Urban Post MIX 4



Features



3G Modem (Optional)



RFID Reader



LCD Display



Ethernet



Energy Meter



OCPP / XML

Ref	Code	V in	Max. input Current	V out	Output Current	Output Power	N° Sockets	Connector type	Charging Mode
CCL-PM3-URBAN	490135	230 V ±10% (1P + N)	64 A	230 V	32 A + 32 A	7,4 kW + 7,4 kW	2	2 x Type 2 *	Mode 3
CCL-PM-MIX-URBAN	490136	230 V ±10% (1P + N)	48 A	230 V	16 A + 32 A	3,7 kW + 7,4 kW	2	Schuko + Type 2*	Mode 1 or 2 & 3
CCL-PM-MIX4-URBAN	490170	230 V ±10% (1P + N)	64 A	230 V	A: 16 A + 32 A B: 16 A + 32 A	A: 3,7 kW + 7,4 kW B: 3,7 kW + 7,4 kW	4**	A: Schuko + Type 2* B: Schuko + Type 2*	A: Mode 1 or 2 & 3 B: Mode 1 or 2 & 3
CCL-PT3-URBAN	490138	400 V ±10% (3P + N)	64 A	400 V	32 A + 32 A	22 kW + 22 kW	2	2 x Type 2*	Mode 3
CCL-PT-MIX-URBAN	490139	400 V ±10% (3P + N)	48 A	230 V / 400 V	16 A + 32 A	3,7 kW + 22 kW	2	Schuko + Type 2*	Mode 1 or 2 & 3
CCL-PT-MIX4-URBAN	490137	400 V ±10% (3P + N)	64 A	230 V /400 V	A: 16 A + 32 A B: 16 A + 32 A	A: 3,7 kW + 22 kW B: 3,7 kW + 22 kW	4**	A: Schuko + Type 2* B: Schuko + Type 2*	A: Mode 1 or 2 & 3 B: Mode 1 or 2 & 3

Optional features and accessories

3G modem	3G and GPRS communications
Overvoltage protection	Transient surge protector
Connector	Type 3 EV Plug

* Type 2 Sockets with lock system ** 1xA and 1xB simultaneous charging

Smart Post

The Smart Post series provides a durable and modular ABS enclosure with the necessary robustness to support hard climatic conditions and a high IK protection index.

Equipped with the latest technology in terms of communication and safety, it allows to charge electric vehicles in an easy and protected way, so that the driver has the best charging experience.

As in the case of the Urban Post, it includes integration with XML & OCPP protocols and advanced communication capabilities (Ethernet, 3G...), as well as an RFID card reader.

Charging systems for city streets & intercity roads

Smart Post



Features



3G Modem (Optional)



RFID Reader



LCD Display



Ethernet



Energy Meter



OCPP / XML

Ref	Code	V in	Max. input Current	V out	Output Current	Output Power	N° Sockets	Connector Type	Charging Mode
CCL-PM1	490080	230 V±10% (1P + N)	32 A	230 V	16 A + 16 A	3,7 kW + 3,7 kW	2	Schuko	Mode 1 or 2
CCL-PM3	490081	230 V±10% (1P + N)	64 A	230 V	32 A + 32 A	7,4 kW + 7,4 kW	2	Type 2*	Mode 3
CCL-PM-MIX	490082	230 V±10% (1P + N)	48 A	230 V	16 A + 32 A	3,7 kW + 7,4 kW	2	Schuko + Type 2*	Mode 1 or 2 & 3
CCL-PT3	490083	400 V ±10% (3P + N)	64 A	400 V	32 A + 32 A	22 kW + 22 kW	2	Type 2*	Mode 3
CCL-PT-MIX	490084	400 V ±10% (3P + N)	48 A	230 V / 400 V	16 A + 32 A	3,7 kW + 22 kW	2	Schuko + Type 2*	Mode 1 or 2 & 3
CCL-PT3-63	490126	400 V ±10% (3P + N)	64 A	400 V	64 A	43 kW	1	Tethered cable Type 2	Mode 3
CCL-PT-MIX4	490197	400 V ±10% (3P + N)	64 A	230 V / 400 V	A: 16 A + 32 A B: 16 A + 32 A	A: 3,7 kW + 22 kW B: 3,7 kW + 22 kW	4**	A: Schuko + Type 2* B: Schuko + Type 2*	A: Mode 1 or 2 & 3 B: Mode 1 or 2 & 3

Optional features and accessories

3G modem	3G and GPRS communications
Overvoltage protection	Transient surge protector
Connector	Type 3 EV Plug
MID meter	MID Meter

*** Type 2 Sockets with lock system* * 1xA and 1xB simultaneous charging**

eStreet Post

The new eStreet series is designed to be installed on urban and intercity streets for charging two and four-wheel electrical vehicles. In addition to this, the eStreet Post meets the maximum protection level against vandalism (IK=10) and its metal enclosure allows it to work in extreme climatic conditions, improving the lifespan of the electric charger.

eStreet Post Series



Features

- Start charge by RFID or Direct cable connection
- Loading capacity up to 44kW
- Enable or disable the RFID module possibility
- Frontal door
- Visible from outside MID energy meters
- 3G and Ethernet communication
- OCPP 1.5 / 1.6
- Reserve now function
- Error code notification for backoffice diagnostic
- RGB LED light
- Stainless steel IP54 IK10 structure
- Embedded dynamic power balance

Features



3G Modem (Optional)



RFID Reader



LCD Display



Ethernet



Energy Meter



OCPP / XML

Private / Public applications
 Space for Distributor System Operators
 (DSO) Power Utility
 Advanced diagnostic
 realtime to EMO

Ref	Code	V in	Max. input Current	V out	Output Current	Output Power	N° Sockets	Connector type	Charging Mode
CCL-eSTREET 44	490214	400 V ±10% (1P + N)	64 A	400 V	32 A + 32 A	22 kW + 22 kW	2	2 x Type 2 *	Mode 3
CCL-eSTREET 44 MIX	490215	400 V ±10% (1P + N)	64 A	230 V / 400 V	A: 16 A + 32 A B: 16 A + 32 A	A: 3,7 kW + 22 kW B: 3,7 kW + 22 kW	4**	A: Schuko + Type 2* B: Schuko + Type 2*	A: Mode 1 or 2 & 3 B: Mode 1 or 2 & 3

Optional features and accessories

3G modem	3G / GPRS / GSM
Surge protection	Four pole transient surge protector IEC 61643-1 (class II)
Safety protection	RCD type B

* Type 2 Sockets with lock system * 1xA and 1xB simultaneous charging

DC Chargers



Compact QC 50kW

Universal charger (CCS / CHAdeMO / Type 2)

LCD screen for user interaction

Start, Stop and emergency buttons

Light indications for status

RFID identification & prepayment



Raption 22kW

Universal charger (CCS / CHAdeMO / Type 2)

Touch-screen (inc. multi-language)

Stainless steel & IP54-IP65 structure

Easy-access service door

It allows wall-side mounting

Authentication required for unlocking the connectors

OCPP 1.5, 1.6

CIRCONTROL

1 reader

2 reader

AC

DC

START

STOP

EMERGENCY STOP

START

STOP

DC
COMBO 2

AC



Compact QC 50kW

Circontrol compact quick charger combines CHAdeMO (DC 50kW), Combo 2 (DC 50kW) and AC 43kW.

Designed to support dual protocol CHAdeMO and CCS (combo 2) it covers all users needs, and makes it suitable for business and commercial fleets as well as petrol stations along the roads.

The Compact combined version has been adapted with the latest communication protocols OCPP and XML. Circontrol offers an innovative Scada Software for remote controlling and as a management tool. Charging operators can easily access to status information, graphics and charge reports according to historical data registered.

Compact Quick Charge TRIO



Features



3G
Modem
(Optional)



RFID
Reader



LCD
Display



Ethernet



Energy
Meter



OCPP / XML

DC and AC simultaneous charging

Series	Code	N° of plugs	Supply	V in	Max. input Current	F Hz	V out	Max. output Current	Max. output Power	Connector Type	Charging Mode	
COMPACT VERSION 50KW DC												
QPC	CCL-QPC	490098	1	3P + N + PE	400 VAC ±10%	80 A	50/60 Hz	50 - 500 VDC	125 A (DC)	50 kW (DC)	JEVS G105	Mode 4
	CCL-QPC-MIX	490099	2	3P + N + PE	400 VAC ±10%	117 A	50/60 Hz	50 - 500 VDC 400 VAC	125 A (DC) 32 A (AC)	50 kW (DC) 22 kW (AC)	JEVS G105 Type 2 Socket	Mode 4 Mode 3
MIX	CCL-QPC-CCS-AC32	490182	2	3P + N + PE	400 VAC ±10%	117 A	50/60 Hz	50 - 500 VDC 400 VAC	125 A (DC) 32 A (AC)	50 kW (DC) 22 kW (AC)	Combo2 Type 2 Socket	Mode 4 Mode 3
DUO	CCL-QPC-CH-CCS	490147	2	3P + N + PE	400 VAC ±10%	80 A	50/60 Hz	50 - 500 VDC	125 A (DC)	50 kW (DC)	JEVS G105 Combo 2	Mode 4 Mode 4
	CCL-QPC-CH-CCS-AC32	490182	3	3P + N + PE	400 VAC ±10%	117 A	50/60 Hz	50 - 500 VDC	125 A (DC) 32 A (AC)	50 kW (DC) 22 kW (AC)	Combo2 JEVS G105 Type 2 Socket	Mode 4 Mode 4 Mode 3
TRIO	CCL-QPC-CH-CCS-AC63	490148	3	3P + N + PE	400 VAC ±10%	143 A	50/60 Hz	50 - 500 VDC 400 VAC	125 A (DC) 63 A (AC)	50 kW (DC) 43 kW (AC)	Combo2 JEVS G105 Type 2 tethered	Mode 4 Mode 4 Mode 3

Optional features and accessories

CCS DC Connector	CCS1 DC Connector
Low temp. kit	Low Temperature Option -30 C° to +45C°
3G modem	3G and GPRS communications
RCD protection	RCD Type B
HMI screen	Touch Screen 10"
Surge protection	Overvoltage Protection

Raption 22kW

DC Charger

- Touch-screen (inc. multi-language)
- Stainless steel & IP54-IP65 structure
- Easy-access service door
- It allows wall-side mounting
- Authentication required for unlocking the connectors
- OCPP 1.5, 1.6
- Certified CHAdeMO

**Extra slim design
Universal charger
(CCS / CHAdeMO & Type 2)**

Raption 22 TRIO model



Features



3G
Modem
(Optional)



RFID
Reader



LCD
Display



Ethernet



Energy
Meter



OCPP / XML

DC and AC simultaneous charging

Ref	Code	N° of plugs	Supply	V in	Max. input Current	F Hz	V out	Max. output Current	Max. output Power	Connector Type	Charging Mode
Raption 22 CCS	consult	1	3P + N + PE	400 VAC ±10%	32 A	50/60 Hz	150 - 550 VDC	56 A (DC)	22,5 kW (DC)	Combo-2	Mode 4
Raption 22 CHAdeMo	consult	1	3P + N + PE	400 VAC ±10%	32 A	50/60 Hz	150 - 550 VDC	56 A (DC)	22,5 kW (DC)	JEVS G105	Mode 4
Raption 22 DUO	consult	2	3P + N + PE	400 VAC ±10%	32 A	50/60 Hz	150 - 550 VDC	56 A (DC)	22,5 kW (DC)	Combo-2 JEVS G105	Mode 4 Mode 4
Raption 22 TRIO	consult	3	3P + N + PE	400 VAC ±10%	64 A	50/60 Hz	150 - 550 VDC 400 VAC	56 A (DC) 32 A (AC)	22,5 kW (DC) 22 kW (AC)	Combo-2 JEVS G105 Type 2 Socket	Mode 4 Mode 4 Mode 3

Optional features and accessories

Low temp. kit	Low Temperature Option -30 C° to +45 C°
3G modem	3G and GPRS communications
RCD protection	RCD Type B
Surge protection	Overvoltage Protection

eBatt Energy

EV Charge with Energy Storage

Solar canopy with energy storage and smart EV charging sockets

Description of the components

1.- Solar canopy

2.- Outdoor cabinet with:

- 2 EV charging sockets
- Energy storage system
- Photovoltaic inverter

Grid connected Functionalities

Peak shaving

Decreases the power peaks consumed from the grid

Boost

Provides extra charging power to the EV charging station

Backup

Keeps on charging the EV in case of blackout. The charging station automatically reconnects to the grid as soon as it is available

Off Grid

Aims to EV charging stations that are permanently disconnected from the grid

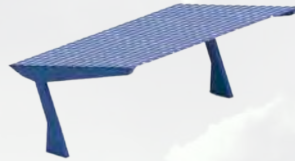


Solar canopy with energy storage and smart EV charging sockets



- 2 EV Charge points (32 A Mode 3 + 16 A Schucko each)
- 3 Car On-grid Park with storage management

Solar canopy



Options



Solar Canopy 2 Parking Slots

- Two parking slots
- Dimensions: 5 m x 5 m
- Installed power: 3,6 kWp



Solar Canopy 3 Parking Slots

- Three parking slots
- Dimensions: 7,5 m x 5 m
- Installed power: 6 kWp

Outdoor Cabinet



- IP54 (IK10)
- Operating range: -10 °C ... +40 °C

Charge points

- 2 Integrated AC charging points
- Compliant with Mode 3 IEC 61851-1
- Type II + Schuko connectors
- Connected to SCADA control software.

Energy storage system

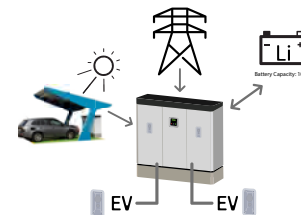
Lithium battery

- Capacity: View Options
- Voltage: 48 V
- Max. discharge power: 6 kW

Battery Inverter / Charger

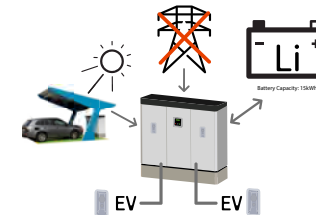
- Grid connected or isolated modes
- Rated power: 6 kW AC (single phase)

Options



On Grid System

Battery Capacity: 10kWh



Off Grid System

Battery Capacity: 15kWh

Monitoring and remote control



- Energy management & smart power balance
- Local monitoring and control system
- Remote access to PV, battery and charge status data
- Connection to OCPP and backoffice
- Integration with third-party software (OCPP,XML,...)

Dynamic Load Management (DLM) Software

Designed for:

EV Fleets, Working places, Communal blocks, Car parks

Most common problem:

Not enough power availability to supply all the power demand.
Which means:

1. Blackouts while charging the EVs
2. Higher initial investment to upgrade the installation
3. Not possible simultaneous EV charging

What would you like to have?

1. Smart charging avoiding blackouts
2. Cost saving due to minimized or non-necessary upgrade
3. Simultaneous charge and more efficient system

How to achieve it?

Circontrol Dynamic Load Management (DLM) Solution

What is DLM solution?

Dynamic Load Management is the solution which optimizes the charging of several electric vehicles connecting to the same electrical installation. This is carried out by means of:

1. Monitoring the power supplied by the EV chargers
2. Monitoring the power used by the building *
3. Managing and balancing the available power amongst the EV chargers

* Available in premium version

Smart charging
avoiding blackouts

Cost saving

Monitoring & Managing





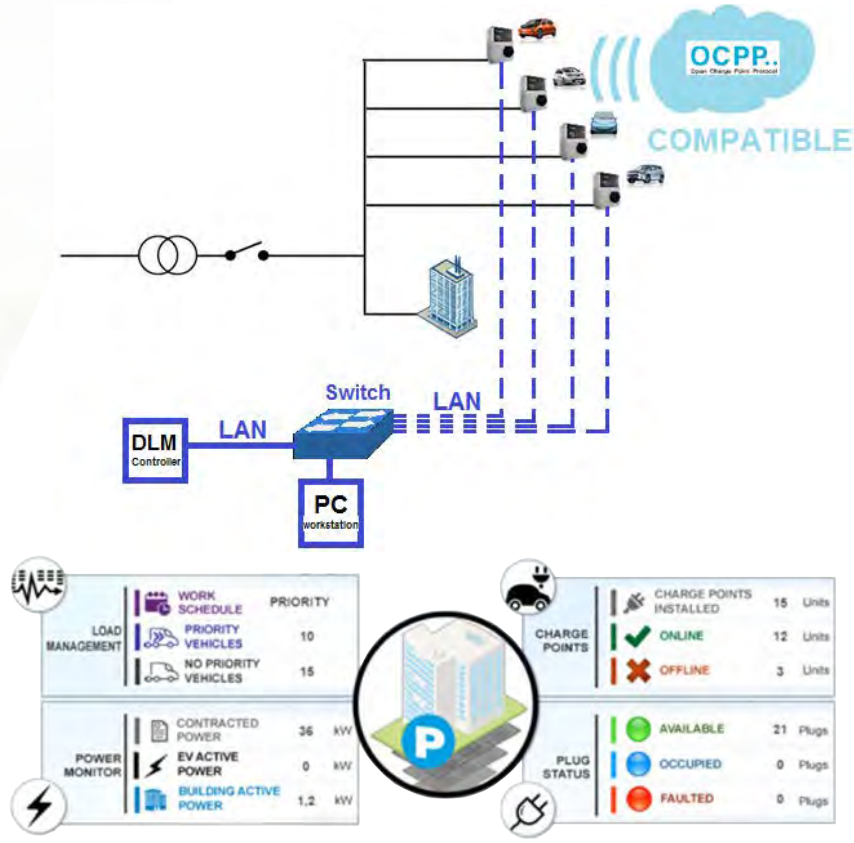
Circontrol has developed two DLM solutions (applied to WallBox Touch, Smart & Smart Dual, Smart Post & Urban Post).

DLM Standard

- **OCPP Ready:** Chargers can be controlled by a backoffice system
- **EV Charging Status:** Monitors all chargers with a SCADA screen
- **User Identification RFID:** Increases the security of the system with RFID tags
- **Power Monitoring:** Checks total power management of your installation with a SCADA screen
- **Offline operation:** In case of communications problems the system is able to keep charging

DLM Premium

- DLM Standard features
- **Building energy monitoring:** Measures the power used by the building and adjusts the power available for charging
- **EV Chargers priority:** Set up VIP chargers as a priority charging
- **Power graphic:** allows to consult chargers and building historical consumptions



DLM Standard

Power distribution between all EV Charging Stations - non exceeding the maximum allowed power or the protections.

DLM Premium

Distribution of the power for all EV Charging Stations depends on building consumption.

View of the main DLM System, where is possible to see the main functions:

- Load Management
- Power Monitoring
- Charge Point
- Plug Status

Accesorios



EV Bay Sign

Ref	Code	Description
CCL-EV-SIGN	490205	EV Bay Sign



EV Stencil

Ref	Code	Description
CCL-EV-STENCIL	490030	Stencil for EV bay



Shelter

Ref	Code	Description
CCL-Shelter	490201	Shelter



Bollard Protector

Ref	Code	Description
CCL-Bolard	490204	Bollard impact protector



Pedestal*

Ref	Code	Description
CCL-WB-PED2	Consult	Pedestal for two WallBox
CCL-WB-PED1	Consult	Pedestal for one WallBox

*Consult models and availability



Cable adapter Type 2 to Type 2

Ref	Code	Description
CCL-Cable-T2-T2	490522	Cable adapter Type 2 to Type 2, 32 A 4 meters Single Phase



Cable adapter Type 1 to Type 2

Ref	Code	Description
CCL-Cable-T1-T2	490523	Cable adapter Type 1 to Type 2, 32 A 5 meters Single Phase

CIRCONTROL has a network of distributors and representative agents all over the world, for further information, please contact:



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Mobility & eMobility

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