TotalEnergies | CIRCONTROL *Mobility & eMobility*

EV Charging
Catalogue

TotalEnergies Marketing Hellas Offer

- Supply, installation and complete connection of the charger
- Agreement with a contract for the supply of lubricants (where applicable)
- Operation of a public charger with a contract with payback for the owner & user friendly application for drivers with access to more than 200.000 chargers in Greece and all over EU
- Differentiated services depending on the profiles and user needs
- Management of commercial, technical, legal and administrative relations with third parties
- Training & maintenance

TotalEnergies and Electromobility

Having a long-term presence in the energy sector and wanting to consistently meet the needs of its customers, TotalEnergies is playing a more and more active role in electrical and sustainable mobility. Mobility is one of the key pillars of human life and development. Thus, dealing with climate challenge and technology evolution, TotalEnergies is committed to developing and providing solutions in the field of electromobility. In fact, part of its ambition is the function over 150,000 charging stations by 2025 across Europe.

EV Chargers

Wallbox eNext

The perfect EV charger for your digital home

Application

Designed to be installed (both indoors and outdoors) at private homes, communal blocks, workplaces.

Concept Design

eNext has been designed to simplify the charging process. We developed an autorization method via app that allows the user to start charging without any interaction with the charger.

In terms of the exterior design, we kept black and white as the core design colours while introducing curved lines and rounded shapes. The appropriate proportions and the perfect size, along with the piano black combined with matt white makes the eNext series the best choice to match any wall.

Product highlights

- **Hi Charger App** designed to control and configure the eNext: language configuration, user authentication, wallbox diagnosis and firmware upgrades, among others.
- **App charge authorization by Bluetooth** avoiding any interaction with the charger and protecting it from non-desired users.
- **Remote charging activation** is also offered by means of an ON/OFF external input signal (e.g. timer).
- **Timetable programming** to adjust the charging session to the hourly energy rates.
- Ready for internal integration of electrical protections.
- Includes **welded contactor detection** that meets with IEC 61851-1 for safety protection.
- **DC leakage detection** can be ordered as an optional extra. Thus, in conjunction with the welded contactor and RCD A, the highest safety protection is guaranteed.
- The **LED bar** at the front not only informs the user about the charger's status (e.g. operative, faulty...), but also the EV charging status: charging (dynamic blue light) vs charged (static blue light).
- The charger's **housing** is made of ABS plastic, which is both robust and UV resistant, providing protection against mechanical stress and severe environmental conditions.

General Specifications

Wireless communication	Bluetooth v4.2 + BLE
Enclosure rating	IP54 / IK10*
Enclosure material	ABS / PC
Operating temperature	-5 °C to +45 °C
Ambient temperature storage	-40 °C to +60 °C
Operating humidity	5% to 95% Non-condensing
Light beacon	RGB colour indicator
Power limit control	Mode 3 PWM control according to ISO/IEC 61851-1
Dimensions (D x W x H)	200 x 335 x 315 mm
Weight	4 kg
External input	Remote charging activation
Safety protection	Welded contactor detection

**IK08 in some components appended to the body, i.e., beacon light.*

Optional devices	
Low temperature kit	-30 °C to +45 °C
Protections	DC 6mA leakage detection RCBO (RCD Type A + MCB)
Type 2 socket protection	Locking System
Type 2 charging socket	Shutter
Tethered cable	Type 1 straight + cable roller
	Type 1 spring + connector holder
	Type 2 straight + cable roller
	Type 2 spring + connector holder
Pedestal	

Model Specifications

Model	**S**	**T**
AC power supply	1P + N + PE	3P + N + PE
AC input voltage	230 VAC +/-10%	400 VAC +/- 10%
Maximum input current	32 A	32 A
Maximum input power	7.4 kW	22 kW
Number of plugs	1	1
Maximum output power per outlet	7.4 kW	22 kW
Maximum output current per outlet	32 A	32 A
AC output voltage	230 VAC (1P + N + PE)	400 VAC (3P + N + PE)
Socket Type	1 x Type 2 Socket	1 x Type 2 Socket

Pedestal

A good choice when there is no wall.

1500 mm

Material: *Aluminium 5754*

Weight: *10 kg*

Dimensions (H x W x D): *1500x373x150 mm*

Wallbox eNext Elite

The most advanced option in connectivity, ready for future demands

Application

Designed to be installed inside or outside homes, neighbourhood blocks, workplaces or car parks, where managing charging and users may be required.

Concept Design

The increasing sophistication of car parks and EV users requires smart EV charging solutions with the potential for cloud integration for remote management and monitoring via the OCPP communication protocol.

Maintaining the elegant eNext design, this new wallbox goes one step further in terms of connectivity and usability thanks to the Wi-Fi connection. Furthermore, its digital system can easily be updated with the latest features and future requirements.

Product highlights

- **Advanced connectivity.** The charger can be connected to a back-office system (through OCPP) either by Wi-Fi, Ethernet port or 4G/3G/GPRS modem (optional), resulting in benefits such as user management, billing, remote error diagnostics, etc.
- **3.5" colour screen.** Displays the charging instructions clearly through pictograms. It also provides information on the charging and connectivity status.
- **Protection.** The system guarantees the best level of protection thanks to integrated DC leakage detection and welded contact detection. The charger also permits integration with additional internal protection features.
- **Scheduling.** To adapt charging to your needs and/or to the electricity tariff, the charging session can be scheduled through the website.
- **Remotely activate charging.** You can remotely activate charging through an external ON/OFF signal (a timer, for example).
- **Flexible identification.** The user can show their RFID card before or after connecting their vehicle. This feature can also be disabled in order to use the Plug and Charge mode.

General Specifications

Network connection	Ethernet 10/100BaseTX (TCP-IP)
Wireless communication	Wi-Fi 2.4GHz (IEEE 802.11b/g/n)
Interface protocol	OCPP 1.6J / 2.0 HW Ready
Protections	6 mADC leakage detection
Enclosure rating	IP54 / IK10*
Enclosure material	ABS / PC
Operating temperature	-5 °C to +45 °C
Ambient temperature storage	-40 °C to +60 °C
Operating humidity	5% to 95% Non-condensing
Light beacon	LED colour indicator
Power limit control	Mode 3 PWM control according to IEC 61851-1
RFID reader	ISO/IEC 14443 A&B FeliCa ISO/IEC 15693 ISO/IEC 18092
Meter	MID Class 1 - EN50470-3
Display	3,5" colour screen
Dimensions (D x W x H)	200 x 335 x 315 mm
Weight	4 kg
Safety protection	Welded contactor detection

**IK08 in some components appended to the body, i.e., beacon light.*

Optional devices	
Low temperature kit	-30 °C to +45 °C
Protections	RCBO (RCD Type A + MCB)
Type 2 socket protection	Shutter
Tethered cable	Type 1 straight + cable roller
	Type 1 spring + connector holder
	Type 2 straight + cable roller
	Type 2 spring + connector holder
Cellular communication	Modem 4G / 3G / GPRS / GSM
Pedestal	

Model Specifications

Model	S	T
AC power supply	1P + N + PE	3P + N + PE
AC input voltage	230 VAC +/-10%	400 VAC +/- 10%
Maximum input current	32 A	32 A
Maximum input power	7.4 kW	22 kW
Number of plugs	1	1
Maximum output power per outlet	7.4 kW	22 kW
Maximum output current per outlet	32 A	32 A
AC output voltage	230 VAC (1P + N + PE)	400 VAC (3P + N + PE)
Socket Type	1 x Type 2 Socket (locking system) 	1 x Type 2 Socket (locking system) 

Wallbox eNext Park

The ultimate design for a Wallbox with communications

Application

Designed to be installed (both indoors and outdoors) at workplaces and car parks.

Concept Design

Nowadays, the concept of an intelligent car park combined with sophisticated users demands intelligent EV chargers with the possibility of having connection to a cloud-based software or backend system.

In terms of the exterior design, we kept black and white as the core design colours while introducing curved lines and rounded shapes. The appropriate proportions and the perfect size, along with the piano black combined with matt white makes the eNext series the best choice to match any wall.

Product highlights

For Charge Point **Operators / Owners**

- The **Integrated Load Management** allows for a lower TCO (Total Cost of Ownership) by charging two EVs simultaneously even when the charger is not supplied with its maximum output power.
- The charger's **housing** is made of ABS plastic which is both robust and UV resistant, providing protection against mechanical stress and severe environmental conditions.
- In terms of **communications**, either through the Ethernet port (by default) or 4G/3G/GPRS modem (optional), the charger can be connected to a back-office system (by means of OCPP), obtaining benefits such as user management, billing, remote error diagnostics, etc.
- Ready for **Dynamic Load Management** network integration.

For Charge Point **Users**

- **Clear charging instructions and operating status** are shown using a backlit display, increasing user satisfaction, especially useful when the charger has been previously reserved by another user.
- The Wallbox eNext Park series offers **flexible authentication**, meaning that the user can authenticate either before or after connecting the cable to the EV. Additionally, the authentication process can also be disabled for the Plug 'n' Charge mode.

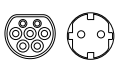
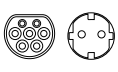
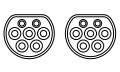
General Specifications

Network connection	10/100BaseTX (TCP-IP)
Interface protocol	OCPP 1.5 / 1.6J
Enclosure rating	IP54 / IK10*
Enclosure material	ABS / PC
Operating temperature	-5°C to 45°C
Ambient temperature storage	-40°C to + 60C°
Operating humidity	5% to 95% Non-condensing
Light beacon	RGB colour indicator
Display	Multi-language LCD
Power limit control	Mode 3 PWM control according to ISO/IEC 61851-1
Dimensions (D x W x H)	200x335x315mm
Weight	4kg
RFID Reader	ISO / IEC14443A MIFARE Classic/DESFire EV1 ISO 18092 / ECMA - 340 NFC 13.56MHz
Meter	MID Class 1 - EN50470-3
Type 2 socket protection	Locking system

**IK08 in some components appended to the body, i.e., beacon light.*

Optional devices	
Low temperature kit	-30 °C to +45 °C
Type 2 socket protection	Shutter
Tethered cable	Type 1 straight + cable roller
	Type 1 spring + connector holder
	Type 2 straight + cable roller
	Type 2 spring + connector holder
Wireless Communications	4G / 3G / GPRS / GSM
Pedestal	
Compatible with DML	

Model Specifications

Model		**S**	**T**	**SME**	**TME**	**S Two**
AC power supply		1P + N + PE	3P + N + PE	1P + N + PE	3P + N + PE	1P + N + PE
AC input voltage		230 VAC +/-10%	400 VAC +/-10%	230 VAC +/-10%	400 VAC +/-10%	230 VAC +/-10%
Maximum input current		32 A	32 A	32 A	32 A	64 A
Maximum input power		7.4 kW	22 kW	7.4 kW	22 kW	14.8 kW
Number of plugs		1	1	2	2	2
Simultaneous charging sessions		1	1	1	1	2
Outlet A	**Maximum output current**	32 A	32 A	32 A	32 A	32 A
	Maximum output power	7.4 kW	22 kW	7.4 kW	22 kW	7.4 kW
	AC output voltage	230 VAC (1P + N + PE)	400 VAC (3P+N+PE)	230 VAC (1P + N + PE)	400 VAC (3P+N+PE)	230 VAC (1P + N + PE)
Outlet B	**Maximum output current**	-	-	3.6 kW	3.6 kW	7.4 kW
	Maximum output power	-	-	16 A	16 A	32 A
	AC output voltage	-	-	230 VAC (1P + N + PE)	230 VAC (1P + N + PE)	230 VAC (1P + N + PE)
Socket Type		1 x Type 2 Socket	1 x Type 2 Socket	1 x Type 2 Socket CEE/7	1 x Type 2 Socket CEE/7	2 x Type 2 Socket
		 A	 A	 A B	 A B	 A B

Wallbox Smart

A suitable solution for improving user and operator experience

Application

Designed to be installed in both public access environments (urban spaces, shopping centres, car parks, airports...) and private areas (company fleets) where its intelligence and communications capabilities offer a range of possibilities that improve the user and/or operator experience.

Concept Design

Nowadays, the concept of an intelligent car park combined with sophisticated users demands intelligent EV chargers with the possibility of having connection to a cloud-based software or backend system.

Installing a Smart Wallbox network in a car park allows for intelligent energy management of several charging stations simultaneously when there is not enough power available for all of them.

Product highlights

For Charge Point **Operators / Owners**

- The **Integrated Load Management** allows for a lower TCO (Total Cost of Ownership) by charging two EVs simultaneously even when the charger is not supplied with its maximum output power.
- In terms of the charger's **housing, ABS plastic** has been selected. Its robust structural design provides protection against both mechanical stress and severe environmental conditions, increasing the charger's lifespan and meaning it does not need to replaced after just a few years.
- In terms of **communication**, either through the Ethernet port (by default) or 3G/GPRS modem (optional), the charger can be connected to a back-office system (by means of OCPP), obtaining benefits such as user management, billing, remote error diagnostics, etc.
- Ready for **Dynamic Load Management** network integration.

For Charge Point **Users**

- **Clear charging instructions and operating status** are shown using a backlit display, increasing user satisfaction, especially useful when the charger has been previously reserved by another user.
- The Wallbox Smart series offers a **flexible authentication**, meaning that the user can authenticate either before or after connecting the cable to the EV. Additionally, the authentication process can also be disabled for a Plug 'n' Charge mode.

General Specifications

Network connection	10/100BaseTX (TCP-IP)
Interface protocol	OCPP 1.5 / 1.6J
Enclosure rating	IP54 / IK10
Enclosure material	ABS
Operating temperature	-5°C to 45°C
Ambient temperature storage	-40°C to +60C°
Operating humidity	5% to 95% Non-condensing
Light beacon	RGB colour indicator
Display	Multi-language LCD
Power limit control	Mode 3 PWM control according to ISO/IEC 61851-1
Dimensions (D x W x H)	Single: 125x225x320 mm Dual: 125x442x350 mm
Weight	Single: 4 kg Dual: 6 kg

RFID Reader	ISO / IEC14443A / B MIFARE Classic/DESFire EV1 ISO 18092 / ECMA-340 NFC 13.56MHz
MID Meter	MID Class 1 - EN50470-3
Type 2 socket protection	Locking system
Compatible with DLM	
Optional devices	
Low temperature kit	-30°C to +45°C
Cable support	Optional (included at Wallbox with tethered cable)
Pedestal	Single: for single-plug Wallbox Dual: for dual-plugs Wallbox
Type 2 socket protection	Shutter
Wireless Communication	4G / 3G / GPRS / GSM

Model Specifications

Model	WBC-SMART	WBC32-SMART	WBMC-SMART
AC power supply	1P + N + PE	1P + N + PE	1P + N + PE
AC Voltage	230 VAC +/-10%	230 VAC +/-10%	230 VAC +/-10%
Maximum input current	16 A	32 A	32 A
Maximum input power	3.7 kW	7.4 kW	7.4 kW
Number of plugs	1	1	1
Maximum output power per outlet	3.7 kW	7.4 kW	7.4 kW
Maximum output current per outlet	16 A	32 A	32 A
AC output voltage	230 VAC (1P + N + PE)	230 VAC (1P + N + PE)	230 VAC (1P + N + PE)
Connection	1 x Type 1 Cable (5m)	1 x Type 1 Cable (5m)	1 x Type 2 Cable (5m)

Model	WBMC-SMART-TRI	WBM-SMART	WBM-SMART-TRI
AC power supply	3P + N + PE	1P + N + PE	3P + N + PE
AC Voltage	400 VAC +/-10%	230 VAC +/-10%	400 VAC +/-10%
Maximum input current	32 A	32 A	32 A
Maximum input power	22 kW	7.4 kW	22 kW
Number of plugs	1	1	1
Maximum output power per outlet	22 kW	7.4 kW	22 kW
Maximum output current per outlet	32 A	32 A	32 A
AC output voltage	400 VAC (3P+N+PE)	230 VAC (1P + N + PE)	400 VAC (3P + N + PE)
Connection	1 x Type 2 Cable (5m)	1 x Type 2 Socket (lock system)	1 x Type 2 Socket (lock system)

Model		WB2M-SMART	WB2M-SMART-TRI	WB-MIX-SMART
AC power supply		1P + N + PE	3P + N + PE	1P + N + PE
AC Voltage		230 VAC +/-10%	400 VAC +/-10%	230VAC +/-10%
Maximum input current		64 A	64 A	48 A
Maximum input power		14.7 kW	44 kW	11 kW
Number of plugs		2	2	2
Outlet A	**Maximum output power**	7.4 kW	22 kW	7.4 kW
	Maximum output current	32 A	32 A	32 A
Outlet B	**Maximum output power**	7.4 kW	22 kW	3.7 kW
	Maximum output current	32 A	32 A	16 A
AC output voltage		230 VAC (1P + N + PE)	400 VAC (3P + N + PE)	230 VAC (1P + N + PE)
Connection		2 x Type 2 Socket (lock system)	2 x Type 2 Socket (lock system)	1 x Type 2 Socket (lock system) + 1 x CEE/7

Wallbox eVolve Smart

The perfect combination of robustness, design and communications

Application

Designed to be installed in both public access environments (urban spaces, shopping centres, car parks, airports, petrol stations...) and private areas (companies, community car park sites...) where its intelligent capabilities offer a range of possibilities which improve the user and/or operator experience.

Concept Design

Nowadays, the concept of smart cities demands an innovative design for urban equipment, especially for EVSE (EV Supply Equipment) due to its innovative nature. With its stylised shape and modern lines, the eVolve series meets this demand.

In addition, not only has the exterior design been taken into account, but also the daily conditions (operational and environmental) that EVSE has to withstand.

Product highlights

For Charge Point **Operators / Owners**

- The **Integrated Load Management** allows for a lower TCO (Total Cost of Ownership) by charging two EVs simultaneously.
- The door at the front with **key access** provides easy access to the interior of the charger which results in a lower OPEX (operating expense) due to a quicker installation and service (preventive/corrective). Moreover, it allows the charger to be installed next to a wall, optimising the available space.
- In terms of the charger's **housing**, aluminium and ABS plastic have been combined in a robust structural design that provides protection against both mechanical stress and severe environmental conditions, increasing the charger's lifespan, meaning it will not need to be replaces after just a few years.
- In terms of **communication**, either through the Ethernet port (by default) or 4G/3G/GPRS modem (optional), the charger can be connected to a back-office system (by means of OCPP), obtaining benefits such as user management, billing, remote error diagnostics, etc.
- To comply with the most demanding requirements regarding billing, the eVolve series includes **MID certified metres.**
- Available in **two sizes**, a small one with no protections and a large one with protections.

For Charge Point **Users**

- Clear charging instructions and operating status are shown using a **backlit display**, increasing user satisfaction, especially useful when the charger has been previously reserved by another user.
- eVolve series offers a **flexible authentication**, meaning that the user can authenticate either before or after the cable to the EV. Additionally, the authentication process can also be disabled for a Plug 'n' Charge mode.
- **Accessibility for disabled users** has also been considered, complying with international standards regarding the height of connectors/displays, facilitating their use.
- The eVolve series includes the necessary **electrical protections** (optional) not only to minimise the human safety risk of electrical shocks but also to ensure the maximum uptime thanks to independent protections per connector.

General Specifications

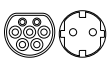
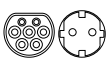
Network connection	10/100BaseTX (TCP-IP)
Interface protocol	OCPP 1.5 / 1.6J
Enclosure rating	IP54 / IK10
Enclosure material	Aluminium & ABS
Enclosure door lock	Anti-vandal key
Enclosure access	Frontal door
Operating temperature	-5 °C to + 45 °C
Ambient temperature storage	-40 °C to + 60 °C
Operating humidity	5% to 95% Non-condensing
Light beacon	RGB colour indicator
Display	Multi-language LCD
Power limit control	Mode 3 PWM control according to ISO/IEC 61851-1
Dimensions (D x W x H)	Small: 222x382x628 mm *(Model S & T without protections)* Large: 222x382x928 mm
Weight	Small: 25 kg Large: 30 kg
RFID Reader	ISO / IEC14443A / B MIFARE Classic/DESFire EV1 ISO 18092 / ECMA-340 NFC 13.56MHz

Meter	MID Class 1 - EN50470-3
Power output management	Integrated Load Management
Type 2 socket protection	Locking System
Compatible with DLM	

Optional devices	
Low temperature kit	-30 °C to +45 °C
Overcurrent protection*	MCB (curve C)
Electrical protection*	RCD Type A (30mA) RCD Type A (30mA) + 6mA DC RCD Type B (30mA) Autorecovery function optional**
Type 2 socket protection	Shutter
Wireless Communication	4G / 3G / GPRS / GSM
Tethered Cable *(spring)** *(Cable length: 4 m)*	Type 1 + Type 1 Type 2 + Type 2
RFID Extension	Legic Advant / Legic Prime ISO 15693 / ISO 18092, Sony FeliCa

**Not available in the TM4 model*
***As per directive this function is not available for cable. It is also not compatible with the "RCD Type A + 6mA DC" option.*

Model Specifications

Model		**S**	**T**	**TM4**	
AC power supply		1P + N + PE	3P + N + PE	3P + N + PE	
AC input voltage		230 VAC +/-10%	400 VAC +/-10%	400 VAC +/-10%	
Maximum input current		64 A	64 A	64 A	
Maximum input power		14.7 kW	44 kW	44 kW	
Number of plugs		2	2	4	
Outlet A	**Maximum output current**	32 A	32 A	32 A	16 A
	Maximum output power	7.4 kW	22 kW	22 kW	3.7 kW
	AC output voltage	230 VAC (1P + N + PE)	400 VAC (3P + N + PE)	400 VAC (3P + N + PE)	230 VAC (1P + N + PE)
Outlet B	**Maximum output current**	32 A	32 A	32 A	16 A
	Maximum output power	7.4 kW	22 kW	22 kW	3.7 kW
	AC output voltage	230 VAC (1P + N + PE)	400 VAC (3P + N + PE)	400 VAC (3P + N + PE)	230 VAC (1P + N + PE)
Protections	**Small**	No	No	Not Available	
	Large	Yes	Yes	No	
Connection		2x Type 2 Socket (lock system)  A B	2x Type 2 Socket (lock system)  A B	2x Type 2 Socket (lock system)  A	2x CEE/7  B

Post eVolve Smart

The most suitable charger for urban environments

Application

Designed to be installed in both public access environments (urban spaces, shopping centres, car parks, airports, petrol stations...) and private areas (companies, community car park sites...) where its intelligent capabilities offer a range of possibilities which improve the user and/or operator experience.

Concept Design

Nowadays, the concept of smart cities demands an innovative design for its urban equipment, especially for EVSE (EV Supply Equipment) due to its innovative nature. With its stylised shape and modern lines, the eVolve series meets this demand.

In addition, not only has the exterior design been taken into account, but also the daily conditions (operational and environmental) that EVSE has to withstand.

Product highlights

For Charge Point **Operators / Owners**

- The **Integrated Load Management** allows for a lower TCO (Total Cost of Ownership) by charging two EVs simultaneously even when the charger is not supplied with its maximum output power.
- The door at the front with **key access** provides an access to the interior of the charger which results in a lower OPEX (operating expense) due to a quicker installation and service (preventive/corrective). Moreover, it allows the charger to be installed next to a wall, optimising the available space.
- In terms of the charger's **housing**, aluminium and ABS plastic have been combined in a robust structural design that provides protection against both mechanical stress and severe environmental conditions, increasing the charger's lifespan, meaning it will not need to be replaces after just a few years.
- In terms of **communication**, either through the Ethernet port (by default) or 4G/3G/GPRS modem (optional), the charger can be connected to a back-office system (by means of OCPP), obtaining benefits such as user management, billing, remote error diagnostics, etc.
- To comply with the most demanding requirements regarding billing, the eVolve series includes **MID certified metres.**

For Charge Point **Users**

- Clear charging instructions and operating status are shown using a **backlit display**, increasing user satisfaction, especially useful when the charger has been previously reserved by another user.
- eVolve series offers a **flexible authentication**, meaning that the user can authenticate either before or after the cable to the EV. Additionally, the authentication process can also be disabled for a Plug 'n' Charge mode.
- **Accessibility for disabled users** has also been considered, complying with international standards regarding the height of connectors/displays, facilitating their use.
- The eVolve series includes the necessary **electrical protections** not only to minimise the human safety risk of electrical shock, but also to ensure the maximum uptime thanks to independent protections per connector.

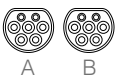
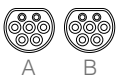
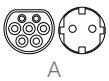
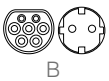
General Specifications

Network connection	10/100BaseTX (TCP-IP)
Interface protocol	OCPP 1.5 / 1.6J
Enclosure rating	IP54 / IK10
Enclosure material	Aluminium & ABS
Enclosure door lock	Anti-vandal key
Enclosure access	Frontal door
Operating temperature	-5 °C to +45 °C
Ambient temperature storage	-40 °C to +60 °C
Operating humidity	5% to 95% Non-condensing
Light beacon	RGB colour indicator
Display	Multi-language LCD
Power limit control	Mode 3 PWM control according to ISO/IEC 61851-1
Dimensions (D x W x H)	290x450x1550 mm
Weight	55 kg
RFID Reader	ISO / IEC14443A / B MIFARE Classic/DESFire EV1 ISO 18092 / ECMA-340 NFC 13.56MHz
Meter	MID Class 1 - EN50470-3
Power output management	Integrated Load Management

Overcurrent protection	MCB (curve C)
Safety protection	RCD Type A (30mA) Autorecovery function optional*
Type 2 socket protection	Locking System
Compatible with DLM	
Optional devices	
Low temperature kit	-30 °C to +45 °C
Safety protection	RCD Type A (30mA) + 6mA DC RCD Type B (30mA) with autorecovery function optional*
Surge protection	Four pole transient surge protector IEC 61643-1 (class II)
Type 2 charging socket	Shutter
Wireless Communication	4G / 3G / GPRS / GSM
Anti-vandal door**	Electromagnetic locking system
Tethered Cable *(spring)* *(Cable length: 4 m)*	Type 1 + Type 1 Type 2+ Type 2 Type 2 + Type 2 Socket
RFID Extension	Legic Advant / Legic Prime ISO 15693 / ISO 18092, Sony FeliCa

**As per regulations this function is not available for cable.*
*** Not available for TM4.*

Model Specifications

Model		S	T	TM4		C63 One
AC power supply		1P + N + PE	3P + N + PE	3P + N + PE		3P + N + PE
AC input voltage		230 VAC +/-10%	400 VAC +/-10%	400 VAC +/-10%		400 VAC +/-10%
Maximum input current		64 A	64 A	64 A		63 A
Maximum input power		14.7 kW	44 kW	44 kW		43 kW
Number of plugs		2	2	4*		1
Outlet A	**Maximum output current**	32 A	32 A	32 A	16 A	63 A
	Maximum output power	7.4 kW	22 kW	22 kW	3.7 kW	43 kW
	AC output voltage	230 VAC (1P + N + PE)	400 VAC (3P + N + PE)	400 VAC (3P + N + PE)	230 VAC (1P + N + PE)	400 VAC (3P + N + PE)
Outlet B	**Maximum output current**	32 A	32 A	32 A	16 A	
	Maximum output power	7.4 kW	22 kW	22 kW	3.7 kW	
	AC output voltage	230 VAC (1P + N + PE)	400 VAC (3P + N + PE)	400 VAC (3P + N + PE)	230 VAC (1P + N + PE)	
Connection		2x Type 2 Socket (lock system)	2x Type 2 Socket (lock system)	2x Type 2 Socket (lock system)	2x CEE/7	Type 2 Cable (4m)
		 A B	 A B	 A	 B	 A

** Exclusive use type 2 or CEE/7 per outlet*

Master - Slave

The most cost-effective multiple charging solution

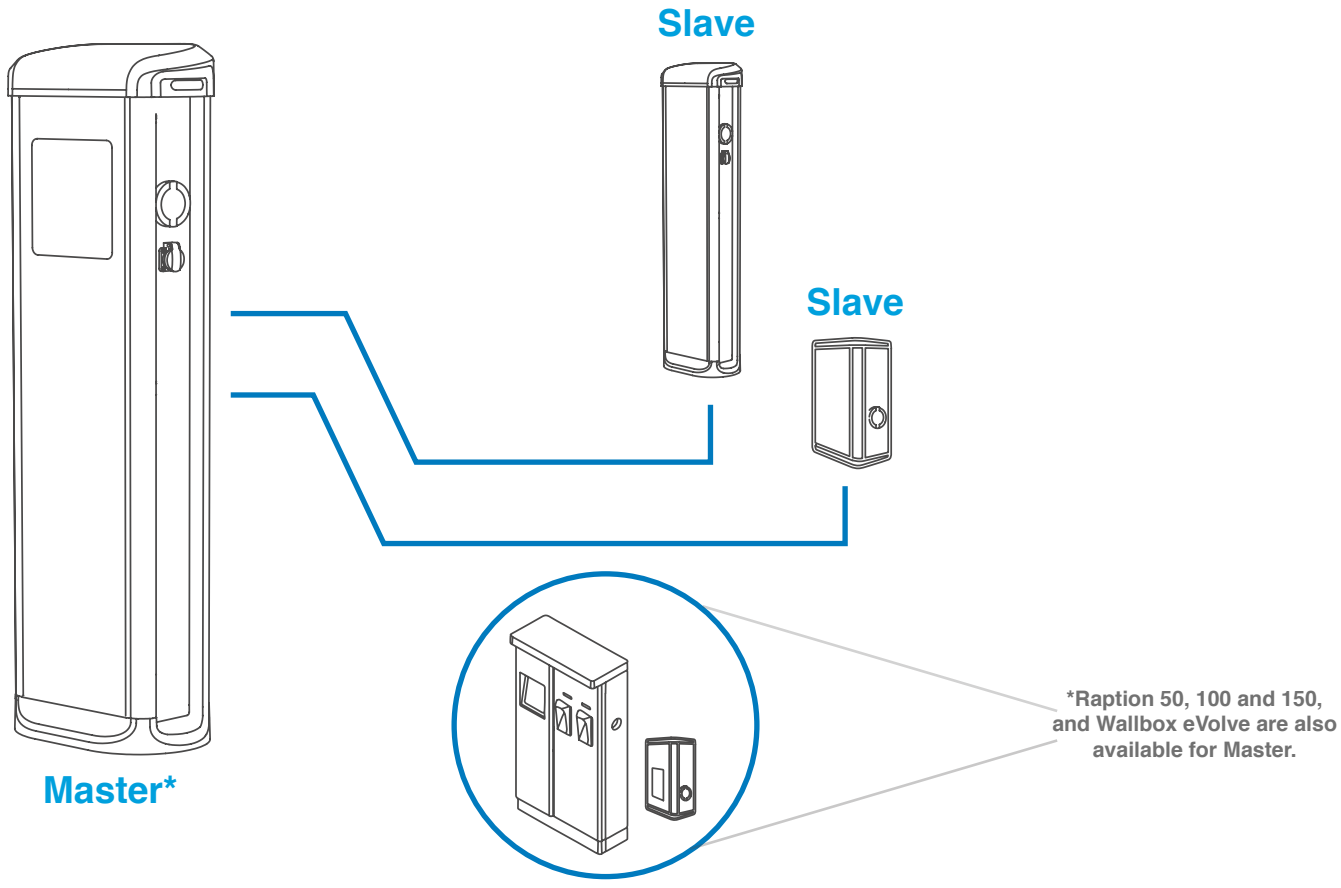
Application

Designed to minimise the initial investment (CAPEX) and the operating expenses (OPEX) when several chargers are required, this solution is a combination of a Master charger and a set of Slaves controlled by this Master. The whole system works as if all the chargers had smart capabilities.

Suitable for private installations such as company fleets or communities with a single administrator, and also for public access environment such as shopping centers, car parks, airports and others.

Concept Design

It has the same exterior design concept as the acclaimed eVolve series, and in addition to featuring modern lines and robust housing, harsh weather conditions and user-friendly operation have also been considered.



Product highlights

- The Master charger is **capable of balancing the available power** based on the number of charge points in use, thus the total power required to provide the total load becomes substantially reduced. This makes it possible to reduce costs in the electrical installation setup and a cost saving on the contracted energy.
- Also, by centralising the smart capabilities into the Master, the hardware of the Slaves is reduced, so combining Master-Slave is the **best choice to minimise the hardware cost.**
- A **single modem** in the Master unit can be used for remote connection and back-office system integration (by means of OCPP 1.5 or 1.6J), so communication fees are also reduced avoiding extra OPEX cost.
- **The Master can operate up to 8 Slaves** (max. 18 charging points including the Master) managing the load and user authentication.
- For car parks without OCPP backend system, standalone configuration offers a **load balancing feature and user control through RFID.**
- The door at the front with **key access** provides an access to the interior of the charger which results in a lower OPEX (operating expense) due to quicker installation and service (preventive/corrective). Moreover, it allows the charger to be installed next to a wall optimising the available space.
- Its **8" daylight readable touchscreen** not only provides clear charging instructions (e.g. incorrect EV shift position to start the charge) and operating status (e.g. reserved charge point) but also allows the user to select from several languages.
- To comply with the most demanding requirements regarding billing, the eVolve series includes **MID certified metres.**
- The eVolve series include the necessary **electrical protections** not only to minimise the human safety risk of electric shocks, but also to ensure the maximum uptime thanks to independent protections per connector.
- **Integrated contactless payment system:** Offers an easy, intuitive and contactless card payment experience. (Available only for Post)

Master-Slave Post

Master-Slave Wallbox

Master - Slave *Post*

General Specifications

Enclosure rating	IP54 / IK10
Enclosure material	Aluminium & ABS
Enclosure door lock	Anti-vandal key
Enclosure access	Frontal door
Operating temperature	-5 °C to + 45 °C
Ambient temperature storage	-20 °C to + 60 °C
Operating humidity	5% to 95% Non-condensing
Meter	MID Class 1 - EN50470-3
Light beacon	RGB colour indicator
Power limit control	Mode 3 PWM control according to ISO/IEC 61851-1
Dimensions	450 x 290 x 1550 mm
Weight	55 kg
Power Output Management	Integrated Load Management
Overcurrent protection	MCB (Curve C)
Safety protection	RCD Type A (30mA)
Type 2 socket protection	Locking System

Master	
Network connection	10/100TX (TCP-IP)
Interface protocol	OCPP 1.5 / 1.6J / 2.0 HW Ready
Display HMI	8" anti-vandal touchscreen
RFID Reader	ISO/IEC 14443 A/B MIFARE Classic/DESFire EV1 ISO 18092 ECMA-340 NFC 16.53MHz

Slave	
Master Communication	Ethernet UTP

Optional devices	
Low Temperature Kit	-30 °C to +45 °C
Safety Protection	RCD Type A + 6mA DC RCD Type B (30mA)
Surge Protection	Four pole transient surge protector IEC 61643-1 (class II)
Type 2 socket protection	Shutter
Wireless communication *(only in Master)*	EMEA - 4G LTE/WiFi Hotspot/GPRS/GSM LATAM/APAC - 4G LTE/GPRS/GSM
Tethered cable *(spring) (cable length: 4m)*	Type 1 + Type 1
	Type 2 + Type 2
Network hub *(only available in Master)*	Switch TCP ethernet 8 ports
	Switch TCP ethernet 12 ports
RFID Extension	Legic Advant / Legic Prime ISO 15693 / ISO 18092, Sony FeliCa
Contactless payment*	Integrated credit card payment terminal

** Ask for availability*

Model Specifications

Models		**Master or Slave S**	**Master or Slave T**	**Master or Slave C63 One**
AC power supply		1P + N + PE	3P + N + PE	3P + N + PE
AC input voltage		230 VAC +/-10%	400 VAC +/-10%	400 VAC +/-10%
Maximum input current		64 A	64 A	63 A
Maximum input power		14.8 kW	44 kW	44 kW
Number of plugs		2	2	1
Outlet A	**Maximum output current**	32 A	32 A	63 A
	Maximum output power	7.4 kW	22 kW	43 kW
	AC output voltage	230 VAC (1P + N + PE)	400 VAC (3P + N + PE)	400 VAC (3P + N + PE)
Outlet B	**Maximum output current**	32 A	32 A	
	Maximum output power	7.4 kW	22 kW	
	AC output voltage	230 VAC (1P + N + PE)	400 VAC (3P + N + PE)	
Connection	**Master**	2x Type 2 Socket (lock system)	2x Type 2 Socket (lock system)	1 x Type 2 Cable (4m)
	Slave	2x Type 2 Socket (lock system)	2x Type 2 Socket (lock system)	

Master - Slave *Wallbox*

General Specifications

Enclosure rating	IP54 / IK10
Enclosure material	Aluminium & ABS
Enclosure door lock	Anti-vandal key
Enclosure access	Frontal door
Operating temperature	-5 °C to + 45 °C
Ambient temperature storage	-20 °C to + 60 °C
Operating humidity	5% to 95% Non-condensing
Meter	MID Class 1 - EN50470-3
Light beacon	RGB colour indicator
Power limit control	Mode 3 PWM control according to ISO/IEC 61851-1
Dimensions	Small: 222 x 382 x 628 mm *(only available on Master Zero and on Slave S)* Large: 222 x 382 x 928 mm
Weight	Small: 25 kg Large: 30 Kg
Power Output Management	Integrated Load Management
Type 2 socket protection	Locking System

Master	
Network connection	10/100TX (TCP-IP)
Interface protocol	OCPP 1.5 / 1.6J
Display HMI	8" anti-vandal touchscreen
RFID Reader	ISO/IEC 14443 A/B MIFARE Classic/DESFire EV1 ISO 18092 ECMA-340 NFC 16.53MHz

Slave	
Master Communication	Ethernet UTP

Optional devices	
Low Temperature Kit	-30 °C to +45 °C
Overcurrent protection	MCB (curve C)
Electrical protection	RCD Type A (30mA) RCD Type A (30mA) + 6mA DC RCD Type B (30mA)
Type 2 charging socket	Shutter
Wireless communication *(only in Master)*	EMEA - 4G LTE/WiFi Hotspot/GPRS/GSM LATAM/APAC - 4G LTE/GPRS/GSM
Tethered cable *(spring)* *Cable length: 4m* *(only available in Slave)*	Type 1 + Type 1 Type 2 + Type 2
RFID Extension	Legic Advant / Legic Prime ISO 15693 / ISO 18092, Sony FeliCa

Model Specifications

Models		**Master Zero**	**Master or Slave S**	**Master or Slave T**
AC power supply		1P + N + PE	1P + N + PE	3P + N + PE
AC input voltage		230 VAC +/-10%	230 VAC +/-10%	400 VAC +/-10%
Maximum input current		0.15 mA	64 A	64 A
Maximum input power		35 W	14.8 kW	44 kW
Number of plugs		0	2	2
Outlet A	**Maximum output current**		32 A	32 A
	Maximum output power		7.4 kW	22 kW
	AC output voltage		230 VAC (1P + N + PE)	400 VAC (3P + N + PE)
Outlet B	**Maximum output current**		32 A	32 A
	Maximum output power		7.4 kW	22 kW
	AC output voltage		230 VAC (1P + N + PE)	400 VAC (3P + N + PE)
Connection	**Master**	Not available	Check availability	Check availability
	Slave	Not available	2x Type 2 Socket (lock system)	2x Type 2 Socket (lock system)

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