

Post eVolve Basic

Charging Station for Electric Vehicles

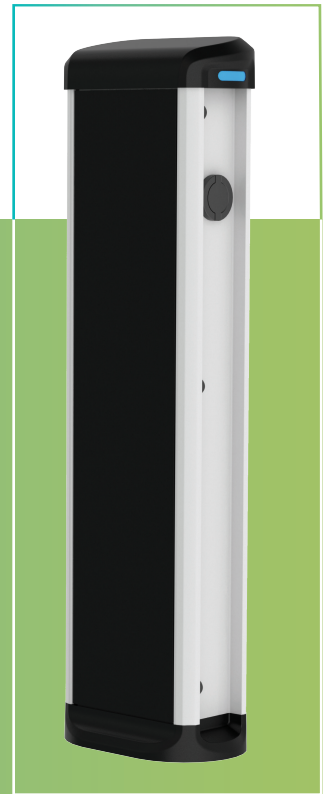
Application

Workplace, communal blocks, shopping malls and those other places where a simple solution (no user management, no billing and no charging point monitoring) is enough to provide the charging service required.

Concept Design

It shares external concept design with Post eVolve Smart series which means that in order to be an adequate solution to many different applications (from stylish shops/buildings to companies located in industrial areas), it has been designed with both modern lines and robust housing, a winning combination.

Harsh weather conditions and user-friendly operation have also been key attributes considered during design process.



Product highlights

For Charge Point Operator / Owner

- Compatible with **BeON sensor** (accessory), when combined the charger is able to dynamically adjust the electric vehicle's consumption according to the available power of the installation, avoiding the risk of blackout and/or having to upgrade the existing installation (resulting on a lower initial investment).
- Its **frontal key-locked door** provides an easy access to the inside of the charger which results in a lower OpEx (Operating Expenditure) 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.
- About 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 lifespan and avoiding its replacement in just a few years.

For Charge Point User

- Simple user operation by its **Plug 'n' Charge** mode that avoids the user having to use an RFID card, phone or similar to authenticate.
- The **LED beacons** not only inform the user about the status of the plug but help to locate the charger when dark.
- **Accessibility for the disabled** has also been considered, complying with international standards regarding the height of connectors that facilitates its operation.
- eVolve series includes the necessary **electrical protections** not only to minimize the human safety risk of electrical shock but also to ensure the maximum uptime due to independent protections per connector.

Post eVolve Basic Series

General Specifications

Enclosure rating	IP54 / IK10
Enclosure material	Aluminium & ABS
Enclosure door lock	Key lock
Enclosure acces	Frontal door
Operating temperature	-5 °C to +45 °C
Ambient temperature storage	-20 °C to +60 °C
Operating humidity	5 % to 95 % Non-condensing
Light beacon	RGB colour indicator
Current setup	Onboard dipswitch
Dimensions (D x W x H)	450mm x 290mm x 1550mm
Weight	55 Kg

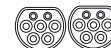
Safety protection	RCD Type A (30mA)
Overcurrent protections	MCB (curve C)

Optional devices

Low temperature kit	-30 °C to +45 °C
Surge protection	"Four pole transient surge protector IEC 61643-1 (class II)"
Safety protection	RCD Type B
Power limit control	BeON sensor
Type 2 Socket Protection	Locking System

Models Specifications

Model	eVolve Basic S-one	eVolve Basic S
AC power supply	1P + N + PE	1P + N + PE
AC input voltage	230 VAC +/-10%	230 VAC +/-10%
Maximum input current	32 A	64 A
Maximum input power	7,4 kW	14,8 kW
Number of plugs	1	2
Maximum output power per outlet	7,4 kW	7,4 kW + 7,4 kW
Maximum output current per outlet	32 A	32 A + 32 A
AC output voltage	230 VAC (1P + N + PE)	230 VAC (1P + N + PE)
Socket Type	Type 2 Socket	2 x Type 2 Socket



Model	eVolve Basic T-one	eVolve Basic T	eVolve Basic TM
AC power supply	3P + N + PE	3P + N + PE	3P + N + PE
AC input voltage	400 VAC +/-10%	400 VAC +/-10%	400 VAC +/-10%
Maximum input current	32 A	64 A	48A
Maximum input power	22 kW	44 kW	25,7 kW
Number of plugs	1	2	2
Maximum output power per outlet	22 kW	22 kW + 22 kW	22 kW + 3,7 kW
Maximum output current per outlet	32 A	32 A + 32 A	32 A + 16 A
AC output voltage	400 VAC (3P + N + PE)	400 VAC (3P + N + PE)	400 VAC (3P + N + PE) + 230 VAC (1P + N + PE)
Socket Type	Type 2 Socket	2 x Type 2 Socket	Type 2 Socket + CEE/7

