

eVolve Smart

The perfect combination of durability, design and communication

Application

Designed to be installed in both public access environments (urban spaces, shopping centres, car parks, airports, petrol stations...) and private areas (companies, community 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

- **Up to 22 kW** of power with type 2 plugs, to charge approximately 130 km in 1 hour.
- Compatible with **dynamic load management (DLM)** system for easy system scalability.
- Connectivity via **Ethernet, Wi-Fi or 4G/3G/GPRS** modem and easily integrated with back-office system via OCPP, featuring **OCPP 2.01 Ready**.
- Enhanced user experience thanks to its, flexible authentication process, and **cloud-based contactless payment** solution.
- Robust enclosure made of aluminium and ABS plastic with high durability and easy access for maintenance through the door at the front.
- They include **MID meters** and integrated electrical safeguards, as well as advanced **cybersecurity protection**.
- **It is compliant with different European countries' legislation** concerning electrical security, meter or installation.
- Its design and features allow to adapt the charger to specific countries and customers' needs.

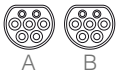
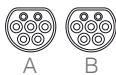
General Specifications

Network connection	10/100BaseTX (TCP-IP) / WiFi	NEW
Interface protocol	OCPP 1.6 J / OCPP 2.0.1 Ready	
Enclosure rating	IP54 / IK10	
Enclosure material	Aluminium & ABS	
Enclosure door lock	Anti-vandal key	
Enclosure access	Frontal door	
Operating temperature	-5 °C to +50 °C	Improved
Storage temperature	-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)	Post: 290x450x1550 mm Wallbox: 222x382x928 mm	
Weight	Post: 55 kg Wallbox: 30 kg	
RFID Reader	ISO / IEC14443A / B FeliCa ISO/IEC 15693/ICODE	Improved
Meter	MID Class 1 - EN50470-3	

Power output management	Integrated Load Management	
Overcurrent protection	MCB (curve C)	
Safety protection	RCD Type A (30 mA) + 6 mA DC + Welded contactor detector	NEW
Optional devices		
Low temperature kit	-30 °C to +50 °C	
Safety protection	RCD Type B	
Safety protection	NF (FR)	NEW
Type 2 charging socket	Shutter	
Wireless Communication	4G / 3G / GPRS / GSM	
Customisation	Vinyl or logo	
Only for post		
Safety protection	PEN Fault (UK)	NEW
Connections	Include 2 x CEE-7 (sockets)	
Tethered Cable (4 m length)	Spring Type 2	
Contactless payment	Payter Cloud	NEW
Grid connection	Approved according V.3 norm - Elaad (NL)*	NEW
Meter	Eichrecht Conform*	NEW

*Ask for availability.

Model

Model	S*	T
AC power supply	1P + N + PE	3P + N + PE
AC input voltage	230 V AC +/-10%	400 V AC +/-10%
Maximum input current	64 A	64 A
Maximum input power	14,7 kW	44 kW
Number of plugs	2	2
Simultaneous charging sessions	2	2
Outlet A	Maximum output current	32 A
	Maximum output power	7,4 kW
	AC output voltage	230 V AC (1P + N + PE)
Outlet B	Maximum output current	32 A
	Maximum output power	7,4 kW
	AC output voltage	230 V AC (1P + N + PE)
Connection	2x Type 2 Socket (lock system)	2x Type 2 Socket (lock system)
		

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