

eVolve Master-Satellite

These semi-fast chargers, with a charging power of up to 22 kW (per plug), are ideal for multi-charging in shopping centres, companies, vehicle fleets, and public and private car parks. The Master-Satellite architecture guarantees lower installation costs and higher efficiency in the use of available power. The 8" screen and payment system on the master device provide a great user experience.



Product highlights



Power

Up to 43 kW of power with type 2 plugs, to charge approximately 260 km in 1 hour



Cost-effective

Reduction of the installation CAPEX thanks to the centralisation of the management of up to 8 satellites through a master charger



Efficient

Balancing of the available power to maximise the performance of the system



User-friendly

8-inch touchscreen, an intuitive interface, and a simple payment system on the Master for an enhanced user experience



Secure

They include MID meters and integrated electrical safeguards



Resistant

Robust enclosure made of aluminum and ABS plastic with high durability and easy access for maintenance through the door at the front




eVolve Master – Satellite

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
Storage temperature	-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 61851-1 290 x 450 x 1550 mm
Dimensions (D x W x D)	55 kg
Weight	Integrated Load Management
Power Output Management	MCB (Curve C)
Overcurrent protection	RCD Type A (30 mA)
Safety protection	Locking system
Type 2 socket protection	

Master	
Network connection	10/100TX (TCP-IP)
Interface protocol	OCPP 1.5 / OCPP 1.6 J / OCPP 2.0.1 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
Satellite	
Master Communication	Ethernet UTP
Optional devices	
Low Temperature Kit	-30 °C to +45 °C
Safety Protection	RCD Type B
Type 2 socket protection	Shutter
Wireless communication <i>(only in Master)</i>	EMEA - 4G LTE/WiFi Hotspot/GPRS/ GSMLATAM/APAC - 4G LTE/GPRS/ GSM
Tethered cable <i>(cable length: 4m)</i>	Type 1 + Type 1 (spring) Type 2 + Type 2 (spring)
Network hub <i>(only available in Master)</i>	1 or 2 Switch TCP ethernet 8 ports
Contactless payment <i>(only available in Master)</i>	Integrated credit card payment terminal
Customisation	Vinyl or logo

Models

Models	S	T
AC power supply AC	1P + N + PE	3P + N + PE
input voltage Maximum	230 V AC +/-10%	400 V AC +/- 10%
input current Maximum	64 A	64 A
input power Number of	14,7 kW	44 kW
plugs	2	2
Outlet A		
Maximum output current	32 A	32 A
Maximum output power	7,4 kW	22 kW
AC output voltage	230 V AC (1P+N+PE)	400 V AC (3P+N+PE)
Outlet B		
Maximum output current	32 A	32 A
Maximum output power	7,4 kW	22 kW
AC output voltage	230 V AC (1P+N+PE)	400 V AC (3P+N+PE)
Connection		
Master	2x Socket Type 2 (lock system) 	2x Socket Type 2 (lock system) 
Satellite	2x Socket Type 2 (lock system) 	2x Socket Type 2 (lock system) 