

# eVolve Master-Satellite

*The optimal multi-charge solution*

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

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

Master	
<b>Network connection</b>	10/100TX (TCP-IP)
<b>Interface protocol</b>	OCPP 1.5 / OCPP 1.6 J / OCPP 2.0.1 Ready
<b>Display HMI</b>	8" anti-vandal touchscreen
<b>RFID Reader</b>	ISO/IEC 14443 A/B MIFARE Classic/DESFire EV1 ISO 18092 ECMA-340 NFC 16.53MHz
Satellite	
<b>Master Communication</b>	Ethernet UTP
Optional devices	
<b>Low Temperature Kit</b>	-30 °C to +45 °C
<b>Safety Protection</b>	RCD Type B
<b>Type 2 socket protection</b>	Shutter
<b>Wireless communication</b> <i>(only in Master)</i>	EMEA - 4G LTE/WiFi Hotspot/GPRS/ GSMLATAM/APAC - 4G LTE/GPRS/ GSM
<b>Tethered cable</b> <i>(cable length: 4m)</i>	Type 1 + Type 1 (spring) Type 2 + Type 2 (spring)
<b>Network hub</b> <i>(only available in Master)</i>	1 or 2 Switch TCP ethernet 8 ports
<b>Contactless payment</b> <i>(only available in Master)</i>	Integrated credit card payment terminal
<b>Customisation</b>	Vinyl or logo

## Models

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