

Master-Slave

with Dynamic Load Management Solution



Reduction of TCO

(Total Cost of Ownership)

- Only MASTER unit has extended hardware.
- MASTER acts as a communication hub.
- Dynamic Load Management.

Main features

- Flexible configuration.
- Multi-language touch-screen (MASTER).
- OCPP v1.5.
- Scalable solution for future eMobility market growth.



Save CAPEX by using a single Master unit.

Save OPEX by managing the power grid and communications.

Broad the market solutions by using DC chargers and/or AC chargers indistinctly, according your customer demands.

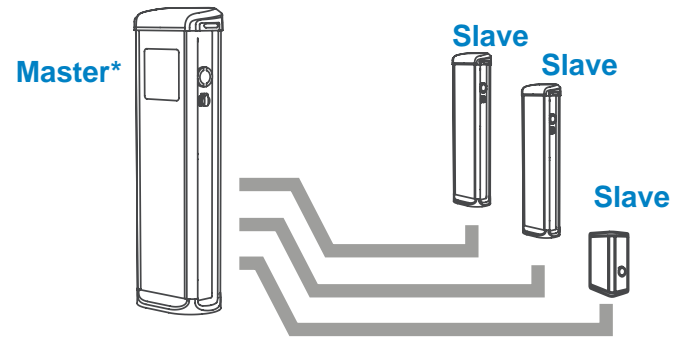
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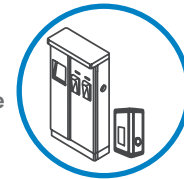
Circontrol Master-Slave solution is the most cost-effective way of having multiple charging points controlled through a single master unit. Moreover, it allows dynamic load management which enables automatic distribution of the available power of your grid connection, also ideal for charge points expansion.

General Specifications (Post or WallBox)

Enclosure rating	IP54 / IK10
Enclosure material	Aluminium & ABS
Enclosure door lock	Key lock
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 ISO/IEC 61851-1
Low temperature Kit	-30 °C to +45 °C



*Raption 50 and WallBox eVolve are also available for Master.



Enclosure Model (Post or WallBox)

		Post	Wallbox Small	Wallbox Large
Dimensions	Post	450 x 290 x 1550 mm		
	Wallbox Small		222 x 382 x 628 mm	
	Wallbox Large			222 x 382 x 928 mm
Weight	Post	55 kg		
	Wallbox Small		30 kg	
	Wallbox Large			25 kg
Protections	Post	Overcurrent MCB (Curve C) RCD Type A (30mA) RCD Type B (30mA)		
	Wallbox large		Overcurrent MCB (curve C) RCD Type A (30mA) RCD Type B (30mA)	

Master (Post or WallBox)

Network connection	10/100TX (TCP-IP)
Interface protocol	OCPP 1.5 (1.6 Optional)
Display HMI	8" anti vandal touch screen
RFID Reader	ISO/IEC 14443 A/B MIFARE Classic/DESFire EV1 ISO 18092 ECMA-340 NFC 16.53MHz
Network hub <i>Optional</i>	Switch TCP ethernet 8 ports Switch TCP ethernet 12 ports
Wireless Communication <i>Optional</i>	4G LTE / WiFi Hotspot / GPRS / GSM

Slave (Post or WallBox)

Master Communication	Ethernet UTP
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Input	Post/WB eVolve Master/Slave S	Post/WB eVolve Master/Slave T
AC power supply	1P + N + PE	3P + N + PE
AC input voltage	230 VAC +/- 10%	400 VAC +/- 10%
Maximum input current	32 / 64 A	32 / 64 A
Maximum input power	7.4 / 14.8 kW	22 / 44 kW
Number of plugs	0-1- 2	1 - 2
Outlet A / B	Maximum output current	32 A*
	Maximum output power	7.4 kW*
	AC output voltage	230 VAC (1P + N + PE) 400 VAC (3P + N + PE)

Output	S Zero	C 63	S/T One	S/T
Number of Outputs	0	1	1	2
WB Master	0	-	Socket or cable	Socket or cable*
WB Slave	-	-	-	Socket or cable
Post Master	-	-	Socket or cable	Socket or cable
Post Slave	-	Cable	-	Socket or cable

* Check availability for socket output.