



## URBAN MASTER M2-C1

URBAN MASTER M2-C1, Outdoor recharge post

Code: V10635.

- > Communications: Ethernet
- > Output type: 230 Vca - 32 A - 7,4 kW
- > Input current: 67 A
- > Connector type: Cable Type 1
- > Grid type: Single-phase
- > Charge mode: 3
- > No. Sockets: 2
- > Earth leakage protection: Type A

### Description

The **URBAN MASTER/SLAVE** devices have been designed to minimise the initial investment and maintenance costs when several chargers are required. This solution consists of a combination of a **Master** charger that controls a set of **Slave** chargers.

The system as a whole works as if all the chargers were smart, either by connecting the Master to a manager via OCPP or independently by setting up a white list of users for the group. A maximum power limit for the whole group can also be specified, thus saving on the installation and power costs.

### Application

Designed for private facilities such as businesses or residential developments with a single administrator, it also offers an appealing solution for public facilities such as shopping centres, car parks, airports and more.



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Outdoor charging posts with Master-Slave system

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### Specifications

#### AC power supply

Input intensity	67 A
Frequency	50 ... 60 Hz
Type of network	1Ph + N + GND
Nominal voltage	230 V ~ ± 10 %

#### Electrical characteristics

Surge protection (DSP)	Transient surge protector IEC 61643-1 (Class II), (Optional)
Overcurrent protection	PIA 40 A (curve C)
Cable: Connector type	Type 1 cable
Max. output intensity (A)	32
Charging mode	Mode 3 (IEC 61851-1)
No. of charges	2
Max. output power (kW)	7,4
Voltage	230 V ~ ± 10 %

#### Mechanical characteristics

Size (mm) width x height x depth	450 x 1550 x 290 (mm)
Envelope	Aluminum and ABS
Fastening	Floor fixing with 4 bolts
Weight (kg)	55

#### Environmental characteristics

Protection class	IP 54 / IK10
Relative humidity (without condensation)	5 ... 95 %
Storage temperature	-20 ... +60 °C
Working temperature	-5 ... +45 °C

#### Communication Network

Protocol	OCPP
Technology / Type	Ethernet 10/100 Base TX (TCP/IP)

#### Standards

Electrical safety, Installation category	CAT III 300 V
Standards	IEC 61851-1, IEC 61851-22, IEC 62196-1, IEC 62196-2, Directive 2014/35/UE, LVD; 2014/30/UE, EMC

#### Electrical safety

Insulation	Double-insulated electric shock protection class II (IEC 61010)
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### User interface

RFID (Radio-Frequency Identification)	ISO/IEC 14443 A/B, MIFARE Classic / Desfire EV1 ISO 18092 / ECMA-340, NFC 13,56 MHz
LED	RGB color charge indicator
Display type	8" Touch

### Features / performance

Energy measurement	MID counter Class 1, UNE-EN 50470-3
Optional	<ul style="list-style-type: none"><li>• Anti vandal doors for Type 2 sockets</li><li>• Type A earth leakage protection with automatic reclosing</li><li>• Type B earth leakage protection</li><li>• Type B earth leakage protection with automatic reclosing</li><li>• Surge protection</li><li>• Low temperature kit (-30°C)</li><li>• Heating and air conditioning unit (-30 ... +45 °C)</li></ul>

### Thermal-magnetic protection

Trip curve, Type	MCB (Curva C)
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### Protection

Safety relay type (class)	RCD Type A (30 mA) RCD Type B (optional)
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### Output 1

Maximum current	230 Vca - 32 A - 7,4 kW
Maximum power	230 Vca - 32 A - 7,4 kW
Voltage range	230 Vca - 32 A - 7,4 kW
Connector type	Cable Type 1
Network type	Single-phase (AC)

### Output 2

Maximum current	32 A
Maximum power	7,4 kW
Voltage range	230 Vca
Connector type	Cable Type 1
Network type	Single-phase (AC)

### URBAN MASTER/SLAVE

Intelligent Master/Slave charging posts

CODE	TYPE	No. Sockets	Output type	Connector type	Grid type
URBAN MASTER					
V10633.	URBAN MASTER T2	2	400 Vca - 32 A - 22 kW	Type 2 socket	Three-phase



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CODE	TYPE	No. Sockets	Output type	Connector type	Grid type
V10635.	URBAN MASTER M2-C1	2	230 Vca - 32 A - 7,4 kW	Cable Type 1	Single-phase
V10636.	URBAN MASTER T2-C2	2	400 Vca - 32 A - 22 kW	Type 2 cable	Three-phase
URBAN SLAVE					
V10643.	URBAN SLAVE T2	2	400 Vca - 32 A - 22 kW	Type 2 socket	Three-phase
V10645.	URBAN SLAVE M2-C1	2	230 Vca - 32 A - 7,4 kW	Cable Type 1	Single-phase
V10646.	URBAN SLAVE T2-C2	2	400 Vca - 32 A - 22 kW	Type 2 cable	Three-phase

System with up to 6 Slave chargers per Master depending on the optional switch chosen. 8" vandal-proof TFT touch screen, independent overcurrent and earth leakage 30-mA, type-B protection per plug, integrated MID-certified energy measurement, RFID reader for authentication and charge activation - ISO 14443 A/B, data storage, Ethernet communications, 4G communications (optional), OCPP 1.5/1.6 communications protocol, Weight: 30 kg, IP54-IP10 aluminium housing, dimensions 1550x450x290 mm. 4-m cable length (depending on model).



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## Dimensions

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