



## URBAN MASTER M2

URBAN MASTER M2, Outdoor recharge post

Code: V10632. DESCATALOGADO

- > Communications: Ethernet
- > Output type: 230 Vca - 32 A - 7,4 kW
- > Input current: 67 A
- > Connector type: Type 2 socket
- > 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

Code: V10632.

### 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

|                           |                      |
|---------------------------|----------------------|
| Overcurrent protection    | PIA 40 A (curve C)   |
| Cable: Connector type     | Type 2 socket        |
| 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) |
|------------------|---------------|

### Protection

|                           |  |
|---------------------------|--|
| Safety relay type (class) | RCD Type A (30 mA) RCD Type B (optional) |
|---------------------------|--|

### 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  | Type 2 socket           |
| Network type    | Single-phase (AC)       |

### Output 2

|                 |                   |
|-----------------|-------------------|
| Maximum current | 32 A              |
| Maximum power   | 7,4 kW            |
| Voltage range   | 230 Vca           |
| Connector type  | Type 2 socket     |
| 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 |



# URBAN MASTER M2

Outdoor charging posts with Master-Slave system

Code: V10632.

| 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).



## URBAN MASTER M2

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Outdoor charging posts with Master-Slave system

Code: V10632.

## Dimensions

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