URBAN M22-C2

URBAN M22-C2, Outdoor recharge post

Code: V1062G.

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

Description

URBAN charging posts have been designed as a robust solution for publicly accessible environments, capable of withstanding a wide range of environmental conditions and possible acts of vandalism, while providing simple installation and maintenance for operators.

URBAN devices facilitate charging tasks for all kinds of EV users, incorporating all the electrical protections necessary to guarantee safety inside an aluminium metal body. They can use type 1 and type 2 cables and type 2 plugs and/or Schuko plugs in various combinations, enabling recharging in Mode 1-2 and Mode 3 depending on the configuration chosen.

The **URBAN 20** series is designed for complex applications where the highest standards of performance are required, with remote management and monitoring or integration into management platforms based on the 1.5 or 1.6 OCPP protocol.

Application

URBAN charging posts are especially suitable for all types of outdoor parking. Applications range from public squares, department stores, airports, vehicle sales and rental companies, private car parks, etc.

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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)
Power balance between charges	1
Cable: Connector type	Type 2 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, Directiva 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	LCD

Features / performance

Energy measurement	MID counter Class 1, UNE-EN 50470-3
Optional	• Anti vandal doors for Type 2 sockets • Type A earth leakage protection with automatic reclosing • Type B earth leakage protection • Type B earth leakage protection with automatic reclosing • Surge protection • Low temperature kit (- 30°C) • Heating and air conditioning unit (-30 ... +45 °C)

Thermal-magnetic protection

Trip curve, Type	MCB (Curva C)

Protection

Safety relay type (class)	RCD Type A (30 mA) RCD Type A (30 mA) with automatic reclosure (optional) RCD Type B (optional) RCD Type B with automatic reclosure (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	Cable Type 2
Network type	Single-phase (AC)

Output 2

Maximum current	32 A
Maximum power	7,4 kW
Voltage range	230 Vca
Connector type	Cable Type 2
Network type	Single-phase (AC)

URBAN 20
URBAN 20 outdoor charging post

CODE	TYPE	No. Sockets	Output type	Connector type	Grid type
URBAN 20					
V10622.	URBAN M22	2	230 Vca - 32 A - 7,4 kW	Type 2 socket	Single-phase

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CODE	TYPE	No. Sockets	Output type	Connector type	Grid type
V1062G.	URBAN M22-C2	2	230 Vca - 32 A - 7,4 kW	Cable Type 2	Single-phase
V10693.	URBAN T22 Gen3	2	400 Vca - 32 A - 22 kW	Type 2 socket	Three-phase
V10696.	URBAN T22-C2 Gen3	2	400 Vca - 32 A - 22 kW	Type 2 cable	Three-phase
V10627.	URBAN T24-MIX	4 (2)	400 Vca - 32 A - 22 kW| 230 Vca - 16 A - 3,7 kW	Type 2 socket | Schuko	Three-phase

Independent, earth leakage protection and circuit breaker protection per plug, MID Integrated energy measurement, RFID reader for identification and charging activation. Data storage, Ethernet communications, 4G communications (optional), OCPP 1.5/1.6 communications protocol, Weight: 55 kg, IP54-IK10 aluminium housing, dimensions 1550x450x290 mm. 4-m cable length (depending on model).

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Dimensions