

# URBAN

## Posts for outdoor charging

### Description

Outdoor posts must be able to withstand different environmental conditions and possible tampering, since they should simplify the installation and maintenance process for operators. **URBAN** posts have helped to reduce the installation time and simplify operation and maintenance tasks.

**URBAN** units facilitate the charging tasks for different EV users, incorporating all the electrical protection elements necessary to guarantee full safety inside an aluminium body. They may feature Type II sockets and/or Schuko sockets in different combinations, enabling charging in Mode 1-2 and Mode 3 depending on the configuration chosen.

The series consists of two different ranges: the basic **URBAN 10**, designed for locations where *Plug&Charge* chargers are needed in simple applications whereby only simplified charging is required; and the **URBAN 20** smart series for complex applications where it is necessary to offer the maximum features required by the market, including management and monitoring with remote control or integration in management platforms based on the OCPP 1.5 and 1.6 protocol.

With possibility of residual current protection type A or type B with or without self-reclosing system. Vandal-resistant socket protections are available in models with a single individual socket on each side.



### Applications

**URBAN** posts are especially suitable for all types of outdoor parking. Their applications range from spaces on public roads to shopping centres, airports, vehicle sales/rental companies, private car parks, etc.

### Technical features

<b>Connection</b>	Connector type	Type II (in accordance with <b>IEC 62196-2</b> ) or Schuko
	Charging mode	Charging in mode 1 / 2 (Schuko) Charging in mode 3 (in accordance with <b>IEC 61851-1</b> )
<b>Electrical features</b>	Input voltage	230 Vac / 400 Vac
	Tolerance	±10%
	Input frequency	50...60 Hz
	Output voltage	230 Vac / 400 Vac
	Maximum output current	16 A / 32 A, depending on the type
	Output power range	3.6 / 7.2 / 22 kW
	Power measurement ( <b>Urban 20</b> )	Energy meter (MID Class 1 <b>EN 50470-3</b> )
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<b>Electrical protection elements</b>	Smart sockets power balancing	<b>M22, T22, M22-C1 and T22-C2</b> models
	Earth leakage protection	RCD Type A (30 mA)
		RCD Type A (30 mA) with automatic reclosing system (optional)
		RCD Type B (optional)
	RCD Type B with automatic reclosing system (optional)	
	Circuit breaker protection	MCB (curve C)
<b>Interface</b>	Light beacon	Light indication of RGB state of charge
	Access control ( <b>URBAN 20</b> )	RFID system card
	RFID working frequency ( <b>URBAN 20</b> )	<b>ISO / IEC 14443A/B</b> MIFARE Classic / DESFire EV1 <b>ISO 18092 / ECMA-340</b> NFC 13.56 MHz
	RFID reader ( <b>URBAN 20</b> )	<b>ISO 14443 A</b>
<b>Communications (Urban 20)</b>	Type	Ethernet, 3G (optional)
	Protocol	OCPP 1.5 and 1.6, XML
<b>Build features</b>	Enclosure	Aluminium and ABS plastic
	Dimensions	450 x 290 x 1550 mm
	Weight	55 kg
	Mechanical protection degree	IK 10
	Protection degree	IP 54
	Assembly	Attached to the floor with 4 bolts
<b>Safety</b>	Category III – 300 Vac ( <b>EN 61010</b> )	
	Double-insulation electric shock protection class II	
<b>Standards</b>	<b>EN 61851-1: 2001 part 1, IEC 61000, IEC 60364-4-41, IEC 61008-1, IEC 60884-1, IEC 60529, IEC 61010, UNE-EN55011, ISO 14443A</b>	

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### References

URBAN 10						
Type	Code	No. of connector	Connector type	Network type	Electrical features	
URBAN M12	V10612	2	Type II, Type II	Single-phase	230 V <sub>ac</sub> , 32 A, 7,4 kW 230 V <sub>ac</sub> , 32 A, 7,4 kW	
URBAN T12	V10613	2	Type II, Type II	Three-phase	400 V <sub>ac</sub> , 32 A, 22 kW 400 V <sub>ac</sub> , 32 A, 22 kW	
URBAN T14-MIX	V10617	2 (4)	Type II, Schuko	Three-phase	400 V <sub>ac</sub> , 32 A, 22 kW 230 V <sub>ac</sub> , 16 A, 3,7 kW	
URBAN 20						
Type	Code	No. of connector	Connector type	Network type	Electrical features	3G
URBAN M22	V10622	2	Type II, Type II	Single-phase	230 V <sub>ac</sub> , 32 A, 7,4 kW 230 V <sub>ac</sub> , 32 A, 7,4 kW	-
URBAN M22 3G	V106220010000	2	Type II, Type II	Single-phase	230 V <sub>ac</sub> , 32 A, 7,4 kW 230 V <sub>ac</sub> , 32 A, 7,4 kW	Yes
URBAN T22	V10623	2	Type II, Type II	Three-phase	400 V <sub>ac</sub> , 32 A, 22 kW 400 V <sub>ac</sub> , 32 A, 22 kW	-
URBAN T22 3G	V106230010000	2	Type II, Type II	Three-phase	400 V <sub>ac</sub> , 32 A, 22 kW 400 V <sub>ac</sub> , 32 A, 22 kW	Yes
URBAN M22-C1	V10625	2	Type I cable, Type I cable	Single-phase	230 V <sub>ac</sub> , 32 A, 7,4 kW 230 V <sub>ac</sub> , 32 A, 7,4 kW	-
URBAN M22-C1 3G	V106250010000	2	Type I cable, Type I cable	Single-phase	230 V <sub>ac</sub> , 32 A, 7,4 kW 230 V <sub>ac</sub> , 32 A, 7,4 kW	Yes
URBAN T22-C2	V10626	2	Type II cable, Type II cable	Three-phase	400 V <sub>ac</sub> , 32 A, 22 kW 400 V <sub>ac</sub> , 32 A, 22 kW	-
URBAN T22-C2 3G	V106260010000	2	Type II cable, Type II cable	Three-phase	400 V <sub>ac</sub> , 32 A, 22 kW 400 V <sub>ac</sub> , 32 A, 22 kW	Yes
URBAN T24-MIX	V10627	2 (4)	Type II / Schuko, Type II / Schuko	Three-phase	400 V <sub>ac</sub> , 32 A, 22 kW / 230 V <sub>ac</sub> , 16 A, 3,7 kW 400 V <sub>ac</sub> , 32 A, 22 kW / 230 V <sub>ac</sub> , 16 A, 3,7 kW	-
URBAN T24-MIX 3G	V106270010000	2 (4)	Type II / Schuko, Type II / Schuko	Three-phase	400 V <sub>ac</sub> , 32 A, 22 kW / 230 V <sub>ac</sub> , 16 A, 3,7 kW 400 V <sub>ac</sub> , 32 A, 22 kW / 230 V <sub>ac</sub> , 16 A, 3,7 kW	Yes
URBAN T22-MIX	V10629	2	Type II, Schuko	Three-phase	400 V <sub>ac</sub> , 32 A, 22 kW 230 V <sub>ac</sub> , 16 A, 3,7 kW	-
URBAN T22-MIX 3G	V106290010000	2	Type II, Schuko	Three-phase	400 V <sub>ac</sub> , 32 A, 22 kW 230 V <sub>ac</sub> , 16 A, 3,7 kW	Yes
URBAN M22-S	V1062B	2	Schuko, Schuko	Single-phase	230 V <sub>ac</sub> , 16 A, 3,7 kW 230 V <sub>ac</sub> , 16 A, 3,7 kW	-
URBAN M22-S 3G	V1062B0010000	2	Schuko, Schuko	Single-phase	230 V <sub>ac</sub> , 16 A, 3,7 kW 230 V <sub>ac</sub> , 16 A, 3,7 kW	Yes

### Dimensions

