

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 protocol.

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

Connection	Connector type	Type II (in accordance with IEC 62196-2) or Schuko
	Charging mode	Charging in mode 1 / 2 (Schuko) Charging in mode 3 (in accordance with IEC 61851-1)
Electrical features	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 (Urban 20)	Energy meter (MID Class 1 EN 50470-3)
Electrical protection elements	Energy measurement (Urban 20)	Energy meter (MID Class 1 EN 50470-3)
	Earth leakage protection	RCD Type A (30 mA) RCD Type A (30 mA) with automatic reclosing system (optional) RCD Type B (optional)
	Circuit breaker protection	MCB (curve C)
Interface	Light beacon	Light indication of RGB state of charge
	Access control (URBAN 20)	RFID system card
	RFID working frequency (URBAN 20)	ISO / IEC 14443A/B MIFARE Classic / DESFire EV1 ISO 18092 / ECMA-340 NFC 13.56 MHz
	RFID reader (URBAN 20)	ISO 14443 A
Communications (Urban 20)	Type	Ethernet, 3G (optional)
	Protocol	OCPP, XML
Build features	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
Safety	Category III – 300 Vac (EN 61010) Double-insulation electric shock protection class II	
Standards	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	

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References

Type	Code	No. of connector	Connector type	Network type	Electrical features
URBAN M11	V10610	1	Type II	Single-phase	230 V, 32 A, 7.2 kW
URBAN T11	V10611	1	Type II	Three-phase	400 V, 32 A, 22 kW
URBAN M12	V10612	2	Type II, Type II	Single-phase Single-phase	230 V, 32 A, 7.2 kW 230 V, 32 A, 7.2 kW
URBAN T12	V10613	2	Type II, Type II	Three-phase Three-phase	400 V, 32 A, 22 kW 400 V, 32 A, 22 kW
URBAN T12-MIX	V10614	2	Type II, Schuko	Three-phase Single-phase	400 V, 32 A, 22 kW 230 V, 16 A, 3.6 kW
URBAN M21	V10620	1	Type II	Single-phase	230 V, 32 A, 7.2 kW
URBAN T21	V10621	1	Type II	Three-phase	400 V, 32 A, 22 kW
URBAN M22	V10622	2	Type II, Type II	Single-phase Single-phase	230 V, 32 A, 7.2 kW 230 V, 32 A, 7.2 kW
URBAN T22	V10623	2	Type II, Type II	Three-phase Three-phase	400 V, 32 A, 22 kW 400 V, 32 A, 22 kW
URBAN T22-C2	V10626	2	Type II cable, Type II cable	Three-phase Three-phase	400 V, 32 A, 22 kW 400 V, 32 A, 22 kW
URBAN T24-MIX	V10627	2	Type II / Schuko, Type II / Schuko	Three-phase / Single-phase Three-phase / Single-phase	400 V, 32 A, 22 kW / 230 V, 16 A, 3.6 kW 400 V, 32 A, 22 kW / 230 V, 16 A, 3.6 kW

Dimensions

