

ORBITIS®

energía inteligente



VIARIS CITY + THE MOST POWERFUL AC CHARGER FOR PUBLIC ENVIRONMENTS

SMART SOLUTION FOR ELECTRIC MOBILITY

VIARIS CITY +

Electric vehicle charging system especially suited for outdoor use in public spaces thanks to a high degree of mechanical protection. It is fitted with two 22 kW three-phase outputs and TYPE 2 connection socket protected with a shutter, enabling quick charging of two vehicles with a single VIARIS CITY + charging station.

Can be used in both public environments (municipal management, buildings and public roads) and private environments (car parks, in residential buildings, offices, hotels, hospitals, etc...). Suitable for any type of electric and plug-in hybrid vehicles with standard European Type 2 connector.



THE FUTURE OF SUSTAINABLE URBAN PLANNING

AC CHARGER FOR OUTDOOR USE

1 POWER MODULATION

To achieve the highest recharge in the shortest possible time without exceeding the contracted power and depending on the instantaneous consumption of the other electrical appliances in the installation.

2 ROBUST AND RESISTANT

Designed and manufactured for use in public environments, made of thick aluminium sheet with high resistance to heat and humidity.

3 LED VISIBILITY

High visibility LED signage to locate the charging point and availability indicator for each of the connection sockets.

4 ACCESSIBILITY

RFID Card activation for Excel report of users consumption.

5 SECURITY

It includes a DIN rail and it can be manufactured with independent electrical protections for each output. Electrical insulation safety system in accordance with IEC 61851-1 standard.

6 SMART PHASE SELECTION

The patented ORBIS system allows the continuity of charging to be maintained when the minimum power required by the vehicle's three-phase charger is not available.

7 AUTOMATIC BALANCING FUNCTION

VIARIS CITY+ stations are equipped with a power control system between the sockets that allows a better balancing of the available energy according to the charging power required by the vehicles, with a positive effect on charging times.

8 INTEROPERABILITY

Standardised interfaces for integration into management platforms (OCPP 1.6 json with Smart charging, Modbus TCP and RTU. MQTTs).

9 CONNECTIVITY

Wifi and Ethernet included as standard. Optional 4G.

DESIGNED FOR THE
DEMANDS OF PUBLIC
ENVIRONMENTS

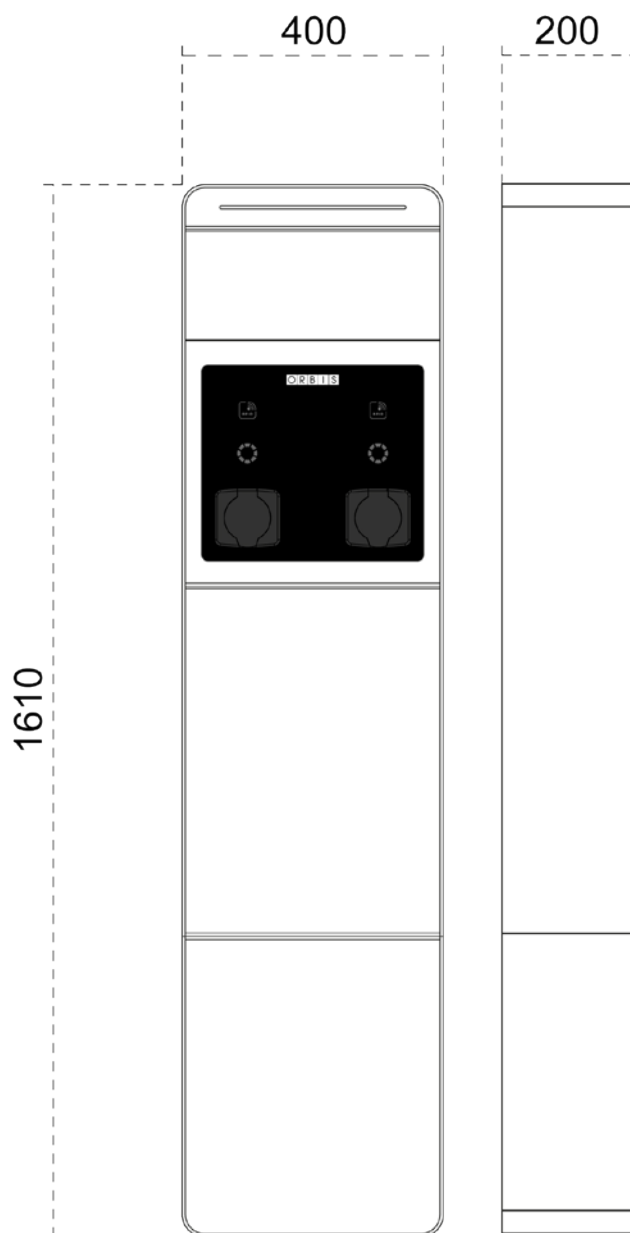
IK10

IP54

VIARIS CITY +

22 kW + 22 kW

Dimensions (mm)



Technical characteristics

Power Supply	3x230/400 VAC \pm 10% 3P+N+T
Nominal frequency	50 Hz
Charging mode	Mode 3 according to EN 61851-1
Output sockets	Sockets Type 2 No. 2 to EN 62196-2
Power Output	22 kW + 22 kW
Charge tracking and control	Yes
Wifi + Ethernet Communication	Yes
4G Communication	Optional
Time programming control	Yes
User identification (RFID)	Yes (NFC reader 13,56 MHz compatible with ISO / IEC14443A / 14443B ISO / IEC 15693 and Felica protocols)
Signal LED status station	Yes, multicolour
Protection class	Class I
Electrical protections	Residual Direct Current Detector (RDC-DD) according to IEC 62955
Additional electrical protections (optional)	MCB, RCCB Type A
VIARIS SOLAR compatibility	Yes
Measure electricity consumption	Yes (Class A) with option MID energy meter
Communication protocol	OCPP 1.6 J, Modbus TCP and Modbus RTU. MQTT
Operating temperature	-30 °C to 50 °C
Casing material	Painted aluminium
Degree of protection	IP54
Degree of mechanical protection	IK10 according to EN 62262
Method of mounting control	Floor standing

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