



ORBIS
energía inteligente®

VIARIS ELECTRIC VEHICLE CHARGERS FOR RESIDENTIAL, COMMERCIAL & PUBLIC ENVIRONMENTS.

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WHY CHOOSE ORBIS EV CHARGERS

With the current drive for the sustainable energy movement sweeping across Aotearoa, it is our passion to accelerate forward in this exciting chapter of energy innovation.

The EV Electrical team have 30 years' experience across domestic, commercial, and industrial platforms. Including installation, maintenance, and automation projects. Our values are to make a difference with sustainable solutions, strive for excellence in our work and most importantly to serve our customers and community.

EV Electrical are pleased to bring you the latest in EV charging technology through our distributor partner Eurotec Ltd.

Eurotec Ltd have been supplying and supporting premium European technology solutions to the New Zealand Electrical, HVAC, Industrial and Refrigeration industries for over 35 years and are proud to be the exclusive distributor of ORBIS products in New Zealand. Based in Madrid, ORBIS design and manufacture electrical control,

metering and regulation equipment focused on efficiency and energy use and management, while complying with international safety, quality and environmental protection standards.

The VIARIS UNI and VIARIS COMBI range are some of the most complete and attractive chargers available and compatible with all EV Vehicles. Purposefully designed for quick and convenient installation.

With a wide range of customisable options available on all units, we can provide the solution to your EV charging needs.

ORBIS maintain their reputation as pioneers in the EV charging market with the VIARIS SOLAR. The newest addition to the VIARIS range, it offers full solar, hybrid or mains charging options; the perfect solution for those looking to increase sustainability.

EASY INSTALLATION



Designed for convenient and quick wall-mounted installation.

POWER



3kW to 22kW Electric Vehicle chargers available across the entire VIARIS range.

COMPATIBILITY



ORBIS EV Chargers are compatible with all Type 2 EV Cars on the road (Type 1 versions available on request).

SMART CHARGERS



All ORBIS chargers are Wi-Fi enabled to communicate with your car allowing for status updates.

CHARGE MODULATION



ORBIS Chargers all have Charge Modulation allowing you to maximise your charge and minimise home disruption.

WARRANTY



All VIARIS Electric Vehicle Chargers come with a 3 year warranty from the date of installation.





VIARIS UNI & COMBI+

Ideal for commercial and residential environments with a range of configuration options

FEATURES

- Single and Dual outlet
- Suitable for all EV and PHEVs vehicles
- 7.4kW Single Phase
- 22kW Three Phase
- Charging Mode 3
- 5m or 10m tethered cable
- Socket or tethered outlet

INCLUDED AS STANDARD

- Charge Modulator
- Leakage Current Detector
- Touch or RFID activation
- Maximum power limitation
- WiFi communication and Ethernet port
- IP 54 and high heat distortion temperature
- ABS-PC heavy duty housing with IK10 impact resistance

AVAILABLE OPTIONS

- Any combination of socket and tethered outlet available on COMBI+
- SPL Network Analyser for load modulation on larger installations
- MID Certified Meter Reader
- Green, Red and White frames available
- 5 and 10 metre cables, Single Phase and Three Phase
- 5 Pre-programmed RFID cards



VIARIS UNI



VIARIS COMBI+

IDEAL APPLICATIONS



FRAME COLOURS

Customize the look of your VIARIS UNI EV Charger with frame colour options to suit different environments.

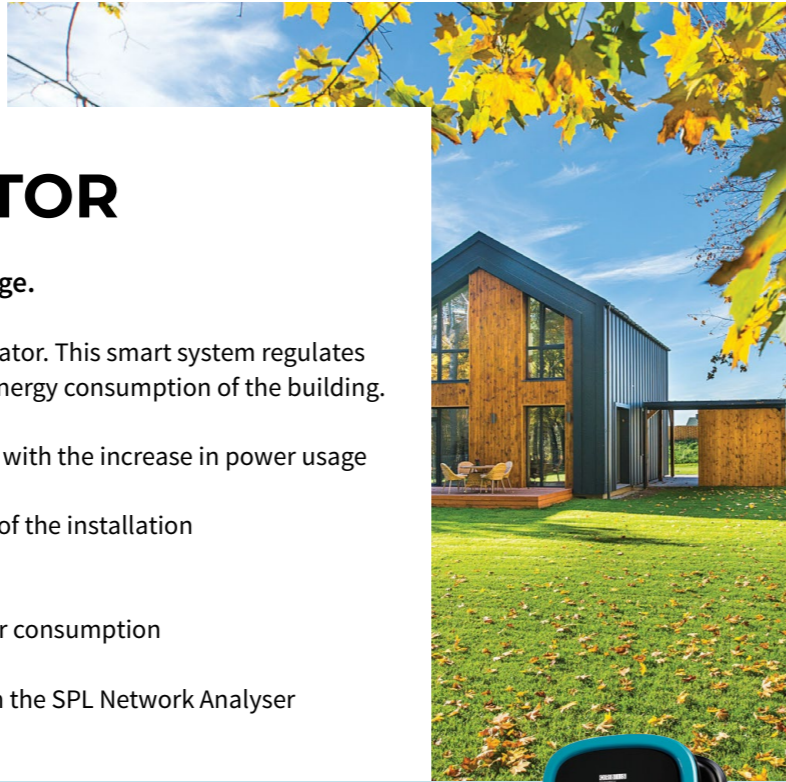


LOAD MODULATOR

Minimise disruption. Maximise your charge.

All ORBIS EV chargers come with a load modulator. This smart system regulates the charging power according to the current energy consumption of the building.

- Avoid costs and complications associated with the increase in power usage for EV charging
- Eliminate the need to increase the power of the installation
- Take advantage of all available power
- Considerably reduce charging times
- Prevent circuit breakers tripping from over consumption
- Ideal for new and existing constructions
- Install a larger number of EV chargers with the SPL Network Analyser



SPL NETWORK ANALYSER

For larger installations with several charging points, Orbis have developed the SPL-Orbis system.

The SPL will temporarily reduce the power used to charge electric vehicles preventing power outages in the entire building whilst protecting against over consumption on the main incoming power supply.

- Allows up to 248 VIARIS charging points
- Charge up to 496 vehicles



CONTAX D-0643 BUS

HOW IT WORKS



When current consumption of the installation is **HIGH**, the available charging power is **REDUCED**.

	kW
Total Capacity	30
Current Consumption	14.5
Available Power	15.5



When current consumption of the installation **DROPS**, the available charging power is **INCREASED**.

	kW
Total Capacity	30
Current Consumption	7
Available Power	23



When current consumption of the installation is at a **MINIMUM** the available charging power will be at the **MAXIMUM**.

	kW
Total Capacity	30
Current Consumption	0
Available Power	30

VIARIS UNI

The VIARIS UNI Smart EV Chargers single outlet have an attractive design, easy operation, trouble-free installation and are suitable for all EV and PHEVs in commercial and residential environments.



Code	Power Output	Hose Type	Cable Length	Communication	Model
OB94U220HA1	7.4kW 32A	Type 2	5m	WiFi	single-phase
OB94U220HA2	7.4kW 32A	Type 2	5m	WiFi & Ethernet	single-phase
OB94U220HA3	7.4kW 32A	Type 2	5m	WiFi & 4G	single-phase
OB94U220HA4	7.4kW 32A	Type 2	5m	WiFi, Ethernet & 4G	single-phase

> Options available with 10m cable and shutter. Please contact us for more information.

Code	Power Output	Hose Type	Cable Length	Communication	Model
OB94U720HA1	22kW 3x32A	Type 2	5m	WiFi	Three-phase
OB94U720HA2	22kW 3x32A	Type 2	5m	WiFi & Ethernet	Three-phase
OB94U720HA3	22kW 3x32A	Type 2	5m	WiFi & 3G	Three-phase
OB94U720HA4	22kW 3x32A	Type 2	5m	WiFi, Ethernet & 3G	Three-phase

> Options available with 10m cable, shutter & 4G. Please contact us for more information.

VIARIS COMBI+

The VIARIS COMBI+ Smart EV Chargers dual outlet have an attractive design, easy operation, trouble-free installation and are suitable for all EV and PHEVs in commercial and residential environments.



Code	Power Output	Hose Type	Cable Length	Communication	Model
OB94P220HA2	7.4kW	Type 2	5m	WiFi & Ethernet	single-phase
OB94P2A0HA2	7.4kW	Type 2	10m	WiFi & Ethernet	single-phase
OB94P220HA4	7.4kW	Type 2	5m	WiFi, Ethernet & 4G	single-phase
OB94P2A0HA4	7.4kW	Type 2	10m	WiFi, Ethernet & 4G	single-phase

> Extensive configuration options available. Please contact us for more information.

Code	Power Output	Hose Type	Cable Length	Communication	Model
OB94P720KA2	22kW	Type 2	5m	WiFi & Ethernet	Three-phase
OB94P7A0KA2	22kW	Type 2	10m	WiFi & Ethernet	Three-phase
OB94P720KA4	22kW	Type 2	5m	WiFi, Ethernet & 4G	Three-phase
OB94P7A0KA4	22kW	Type 2	10m	WiFi, Ethernet & 4G	Three-phase

> Extensive configuration options available. Please contact us for more information.

VIARIS SOLAR

Harness the power of solar energy.

The CONTAX D-10011 / CONTAX D-8043 modules can be externally fitted to any new or existing VIARIS UNI and COMBI+ to create the VIARIS SOLAR.

Once installed, this environmentally sustainable EV solution allows you to harness the electricity generated from your PV system (solar panels).

- Compatible with solar panels in any photovoltaic (PV) system
- Single Phase & Three Phase
- Din rail mounted
- RS485 port and Modbus protocol
- Three charging modes:
- FULL SOLAR, HYBRID, MAX GRID



CONTAX D-10011 CONTAX D-8043



VIARIS SOLAR ADVANTAGES



SELECTING THE ENERGY MIX FOR CHARGING

It enables selecting the energy to charge the electric vehicle: 100 % SOLAR for a fully environmental charging, HYBRID, making the most of solar power, and if this is not enough, adding grid current to complement it, or SOLAR/GRID, for quick charging.



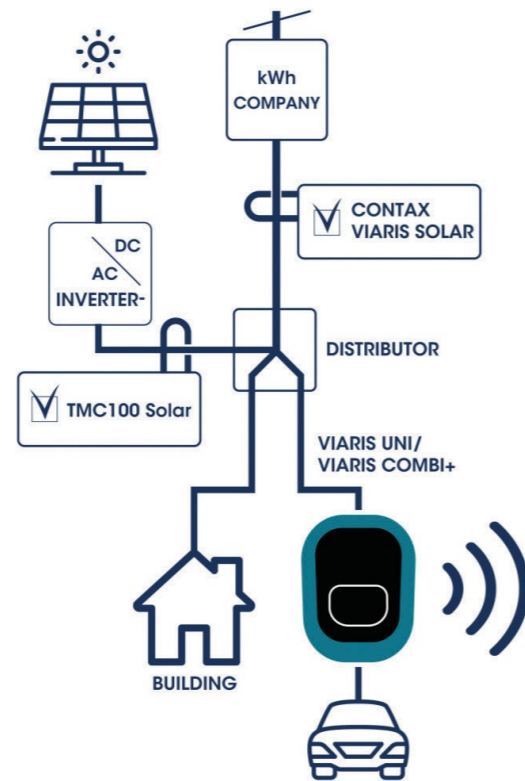
EASY IMPLEMENTATION

No need to replace an already installed charging station (VIARIS UNI or VIARIS COMBI+). JUST add VIARIS SOLAR to the already existing single-phase or three-phase photovoltaic installation.



ADAPTING CONSUMPTION TO ELECTRICITY TARIFFS

Time scheduling of up to 6 slots from Monday to Friday and another 6 slots at the weekend. For each slot, the ENERGY MIX can be selected and the maximum and minimum grid or solar power can be adjusted.



SIMPLE INSTALLATION

Just connect the VIARIS SOLAR METER between the utility meter and the charging station and, in turn, install the small TMC100 Solar accessory above the VIARIS charging station



VIARIS CITY

VIARIS CITY is your electric vehicle charger for outdoor use in public environments.

The VIARIS CITY electric vehicle charger is capable of meeting different management needs, from individual connection points to municipal or corporate charging networks, with a management platform on the charger.



FEATURES

- IK10 in accordance with EN 62262
- IP 54 in accordance with EN 60529
- 3.7 kW – 7.4 kW single-phase power.
- 11 kW – 22 kW – 43 kW three-phase power.
- Charging mode 3.
- Available with one or two Type 2 sockets.
- Models with connection base socket include an interlock to prevent accidental disconnection while charging.
- Compatible with system integrators.

▶ VIARIS CITY includes smart load balancing between the power outputs that distribute the available power according to the level of charge of the vehicles. In other words, VIARIS CITY gives more power to the output of the vehicle with the least charge.

INCLUDED AS STANDARD

- RFID card reader.
- Built-in schedule programming.
- Built-in WiFi communication.
- Display and configuration possible via the embedded website.
- Tamper-proof housing.
- Space for protective devices (16 modules wide).
- Remote software updating

AVAILABLE OPTIONS

- Electrical protection.
- MID-certified meter.
- ETHERNET and 3G modem communications.
- Charging modulator.
- VIARIS management platform.
- SPL-ORBIT solutions.
- Metal pedestal and fixing accessories.



WHAT ARE THE ADVANTAGES OF VIARIS CITY?

METAL ENCLOSURE

Robust equipment with metal structure. Especially suited for outdoor installation. Equipped with protection rating IK10/IP54. Tamper-proof enclosure, key locked.

EASY TO USE AND INSTALL

The integrated WIFI module simplifies remote control, programming and history log reading from your mobile phone.

VIARIS MANAGEMENT PLATFORM

Capable of covering different management needs, from individual charging points to town or corporate charging networks with a charging point management platform.

VIARIS CITY

Smart electric car charging stations for public spaces. Charging station power: 3.7 to 7.4 kW for single-phase models and 11 kW, 22 kW and 43 kW for three-phase models.

Code	Power Output	Socket Type	Model
OB94T1116	11kW 3x16A	Type 2	Three-phase
OB94T2232	22kW 3x32A	Type 2	Three-phase
OB94T4363	43kW 3x63A	Type 2	Three-phase

VIARIS CITY Extras: Ethernet & 3G Communication, Certified MID single-phase KW meter, RFID Cards and Metal stand.



Metal stand available

VIARIS TESTER

The EV charger test tool verifies charger performance by simulating connection to an electric vehicle. Guarantees correct operation before commissioning.

- Valid for 13, 20, 32 and 64 Amp chargers
- External charging socket for generation of real consumption (Max 8A)
- Presence and phase sequence indicator
- Simulates vehicle status (connected, disconnected, charging)
- Compliant with UNE-EN 61851-1 standard
- DC 6mA fault current test (RCD-DD)
- EV fault simulator
- Check electrical protection & grounding
- AC 30mA residual current test



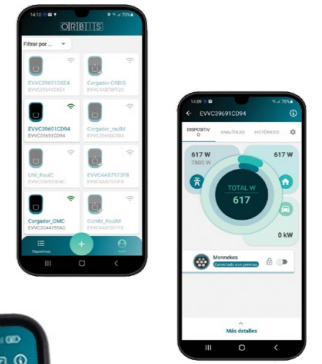
e-VIARIS APP

The free e-VIARIS app allows full remote management and monitoring of your VIARIS UNI and VIARIS COMBI+ Smart Chargers from your smartphone or tablet.

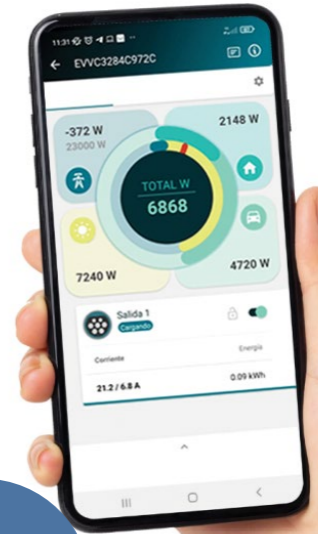
- Remote switching on and off
- Set preferred charging periods
- Charging status notifications
- Manage one or more VIARIS units
- Real-time information for property and electric vehicle energy consumption
- Record of property and vehicle consumption per hour, day or month
- Query the charging time and consumption of each vehicle to allocate energy costs
- Query consumption habits per week days or time slots
- Free download for iPhone and Android

For more insights and greater control download the free app from Google Play and the App Store.

REMOTE ACCESS



REAL-TIME INFORMATION



FREE DOWNLOAD



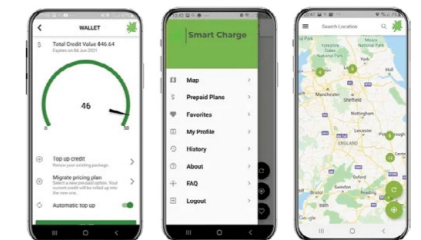
OCPP & 'SMART CHARGE'

OCPP (Open Charge Point Protocol) is an application protocol for communication between electric vehicle chargers and a central management system.

VIARIS EV Chargers are compatible with the 'Smart Charge' App which manages commercial charging networks for electric vehicles.

Smart Charge: New Zealand's Electric Vehicle Charging Network.

Smart Charge is a cloud-based software solution that manages commercial charging networks for electric vehicles. The software is fully optimised to give you and your business visibility across all EV charging functions. Includes a handy App for drivers and an extensive dashboard for charging station owners.



Contact EV Electrical Ltd for more information or to discuss your
EV Charging requirements.



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Proud to be a member of



Sustainable Energy
Association New Zealand