

EV Chargers

Electric Mobility



EV Chargers

As a pioneer brand in electric mobility, we are dedicated to the development of charging solutions for electric vehicles and their integration into charging network management systems.

Brief description

The EV Chargers area develops and supplies a wide range of charging solutions for the private and public segments.

From DC fast, ultra-fast and high-power chargers to AC public chargers, we are dedicated to the development of charging solutions for EVs and their integration into charging network management systems.

In addition, we provide different maintenance services and have Authorised Service Partners across several countries in Europe, North America and South America, all certified by Efacedc.

Our Portfolio

- **DC fast and ultra-fast chargers (from 60 kW up to 180 kW)**

Our scalable QC 60/90/120 and the all-in-one QC 180 solutions provide continuous availability for rapid EV charging needs.

- **DC high-power chargers (up to 400 kW)**

Future-ready solutions such as the HV 350 G2 and the HPC 240/400 deliver higher speed and power to accommodate every journey, perfect for infrastructure growth.

- **AC Chargers (up to 2x (11 kVA or 22 kVA)**

The Public Charger G3 offers convenient and flexible charging options, ideal for urban and commercial settings.

- **Management Software**

Our EVCore CPMS and EVCore LMS platforms optimise EV infrastructure with scalable solutions for multi-location management.

- **Services**

We provide a comprehensive range of services, including training, maintenance, spare parts, and retrofits & upgrades, ensuring efficient operation of EV charging systems.

Authorised Service Partners

We have Authorised Service Partners across several countries in Europe, North America and South America. Our partners have all been certified by Efacec after undergoing training sessions where we assess and validate their technical competencies.

Certifications

Chademo
MOBI.E
CE
UL
Eichrecht
Newkuait
RETIE

Main Geographies

Europe, North America and South America.



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QC 60/90/120

DC fast charger

Overview

Upgrading possibilities that optimise your investment.

The QC 60/90/120 is a modular Quick Charger, with output power from 60 kW up to 120 kW, with simultaneous charging in 3 plugs (CCS, CHAdeMO and AC).

These chargers are Plug-n-Charge ready and incorporate an active monitoring and remote upgrade system.

After user identification (if authentication is required), by simply choosing the charging standard compatible to your vehicle and coupling the charger's output plug to the EV, you will have a fast, secured and proven charging process. The battery charging status is displayed and the charging cycle finishes by itself or can be terminated by user command.



Main features

- Scalable option from 60 kW to 120 kW
- High efficiency: >95% /for d.c. charging
- Up to 400 A max. charging current
- Multi standard compliant (CHAdeMO, CCS and AC Type-2 up to 43 kVA)
- Simultaneous charging for all output configurations (AC | CCS | CHADEMO; AC | CCS | CCS; CCS | CCS | CHADEMO; CCS | CCS)
- Plug-n-Charge ready
- Noise reduction operative modes
- Load Management System (LMS) via Modbus TCP/IP
- Network integration via OCPP 1.6 with smart charging or proprietary protocol)
- TFT colour display (for user interface and advertising)
- Cybersecurity enhanced features
- Built-in communications (2G; 3G; 4G; LAN; Wi-Fi) with high gain external antenna
- Over-the-air update
- C4 corrosion class

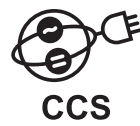
Optional features

- NFC Payment System
- Eichrecht compliant
- Customised branding

Value proposition

- Small footprint with high power density
- Simple plug & play installation
- Flexibility/scalability - pay as you grow
- Business opportunity with digital advertising
- Low Total Cost of Ownership (TCO)
- Output voltages up to 1000 V
- Up to 400 A maximum charge current (boost mode)
- Cable Management System (CMS)
- Dynamic power allocation in 30 kW steps
- Local and remote monitoring

AC and DC plug-in charging systems



AC ~



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QC 180

DC ultra-fast charger

Overview

The perfect choice for continuous availability.

Our all-in-one ultra-fast solution is designed to ensure more customer availability, more power and more sustainability, capable of charging all EVs with CHAdeMO and CCS2.

Additionally, this charger provides more customer and network operation support, optimising the maintenance of the installed base, while also meeting the needs of the end user in terms of power, load availability and effortless cable management (handling).



Main features

- Charging power up to 180 kW
- High efficiency: > 95%
- Multi standard compliant (CCS and CHAdeMO)
- Simultaneous charging for all output configurations
- Cable Management System (CMS)
- Plug-n-Charge Ready (ISO 15118)
- Noise reduction operative modes
- TFT colour display (for user interface and advertising)
- Network integration via OCPP 1.6 ready for upgrade to OCPP 2.0.1) with smart charging or proprietary protocol)
- Built-in communication (2G; 3G; 4G; LAN; Wi-Fi) with high gain external antenna
- Load Management System (LMS integration)
- Over-the-air software updates
- RFID and NFC system integration
- Payment Terminal System (optional)
- Eichrecht compliant (optional)
- C4 Corrosion class
- Customised branding (optional)

Value proposition

- Multiple standards
- Two DC outputs
- Simultaneous charging with high efficiency
- Dynamic power allocation in 30 kW steps
- Compact and simple plug & play installation
- Up to 350 A with dry cable
- Cable Management System (CMS) (optional)
- Local and remote control and monitoring
- Low Total Cost of Ownership (TCO)

DC plug-in charging systems



CCS



CHAdeMO

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HV 350 G2

DC high-power charger

Overview

Higher speed and power to everyone.

A solution for the high-powered charging segment with up to 350 kW, capable of charging all electric vehicles, from private cars to commercial fleets, bus and trucks.

Reliable and robust, this environmentally friendly charging system provides our customers with several functionalities, developed to keep up with the challenges of the energy infrastructure, namely in high traffic areas and for heavy-duty vehicles.



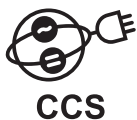
Main features

- High efficiency: > 95%
- Multi standard compliant (CHAdeMO, CCS)
- Simultaneous charging options
- Plug-n-Charge ready
- TFT colour display (for user interface and advertising)
- Network integration via OCPP 1.6 with smart charging or proprietary protocol
- Built-in communications (2G; 3G; 4G; LAN; Wi-Fi)
- Load Management System (LMS) integration via MODBUS TCP/IP (optional)
- Cyber security enhanced features
- Legal maintenance access (optional)
- Over-the-air update
- NFC Payment System (optional)
- C4 Corrosion Protection
- Customised branding (optional)

Value proposition

- Improved installation
- Business opportunity with digital advertising
- Future ready with output voltages up to 920 V d.c.
- Up to 500 A @ 700 V d.c.
- Low Total Cost of Ownership (TCO)

DC plug-in charging systems



CCS



CHAdeMO



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HPC 240/400

DC high-power charger

Overview

The perfect choice for infrastructure growth.

Our brand-new all-in-one high-power charger solution with two variants of 240 kW and 400 kW is designed to increase customer availability, power and sustainability.

The HPC 400 is Plug-n-Charge ready and allows simultaneous charging of up to 400 kW, providing up to 500 A continuous. It also incorporates an active monitoring and remote upgrade system.



Main features

- Variants of 240 kW and 400 kW
- High efficiency: > 96,6%
- Multi standard compliant (CCS2 and CHAdeMO)
- Output configurations available up to 500 A continuous
- Simultaneous charging for all output configurations
- Cable Management System (CMS)
- Plug-n-Charge ready (ISO 15118)
- Noise reduction operative modes
- TFT colour display (for user interface and advertising)
- Network integration via OCPP 1.6 (ready for upgrade to OCPP 2.0.1) with smart charging or proprietary protocol
- Built-in communications (2G; 3G; 4G; LAN; Wi-Fi) with high gain external antenna
- Load Management System (LMS) integration via Modbus TCP/IP
- Cyber security enhanced features
- Remote maintenance access
- Over-the-air software updates
- RFID integration
- Payment Terminal System (optional)
- C4 Corrosion class (C5 – optional)
- Customised branding (optional)

Value proposition

- Multiple standards
- Two DC outputs
- Dynamic power allocation in 40 kW steps
- Up to 500 A continuous
- Cable Management System (CMS)
- Simultaneous charging
- High power density
- Simple plug & play installation
- Local and remote monitoring and control
- Flexibility/scalability – pay as you grow
- Business opportunity with digital advertising (optional)
- Low Total Cost of Ownership (TCO)

DC plug-in charging systems



CCS



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Public Charger G3

AC charger

Overview

Your cost-effective choice.

A highly flexible and cost-effective solution, able to charge any electric vehicle compatible with IEC 61851 with its MODE 3 charging socket.

Using easy installation procedures and requirements, the Public Charger can be pole or wall mounted, allowing versatile installation options. Additionally, the Human Machine Interface (HMI) with TFT display and RFID reader was designed to control the two build-in outputs.

Each Efacec Public Charger can be integrated in a charging infrastructure network and its operation and status controlled by the central management system.



Main features

- AC output power up to 22 kVA
- Charge all Mode-3 vehicle
- Simultaneous charging for 2 EVs
- Easy maintenance
- RCD and breaker included
- TFT colour display
- RFID reader
- Pedestal or wall-mount installation
- Network integration (OCPP or proprietary protocol)
- Built-in communications (2G; 3G; 4G; LAN; Wi-Fi)

Value proposition

- Multiple outputs (Mode-3) and powers (up to 22 kVA)
- Versatile installation options
- Aluminium enclosure
- Simple plug&play installation
- Local and remote monitoring and control
- Small footprint



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EVCORE CPMS

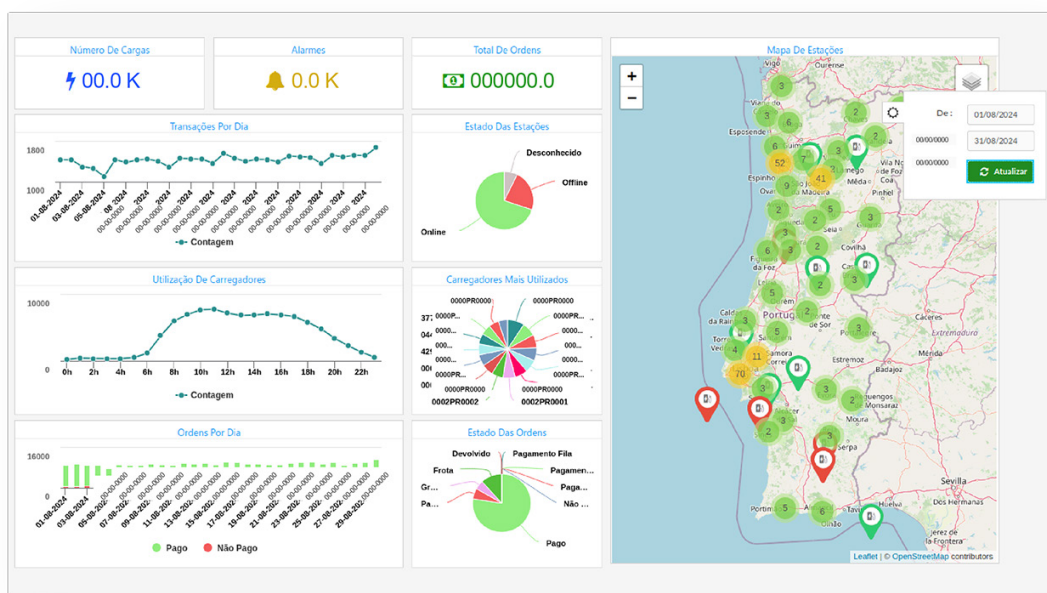
Management Software

Charging Point management System

Overview

The EVCore CPMS is an end-to-end EV charging management platform, consisting of a set of exclusive and powerful that effectively responds to the management needs of the Electric Vehicle infrastructure ecosystem, namely through open architecture for integration of external systems.

It is a state-of-the-art software based on Java cluster. By fully supporting load balancing, the EVCore CPMS is highly scalable, both up and out. It also features web UI interface, web service servers, JMS, reports server, among other components.



Main features

- Scalable Web Cloud-Based platform
- Customisable: flexible price models, user access control and branding options
- Easy configuration and complete monitoring
- Mobile app support for EV drivers
- Smart charging
- Intelligent alarm
- Intuitive interface
- Data analytics and reporting
- Compatible with any OCPP compliant equipment and reports
- API integration

Infrastructure Management

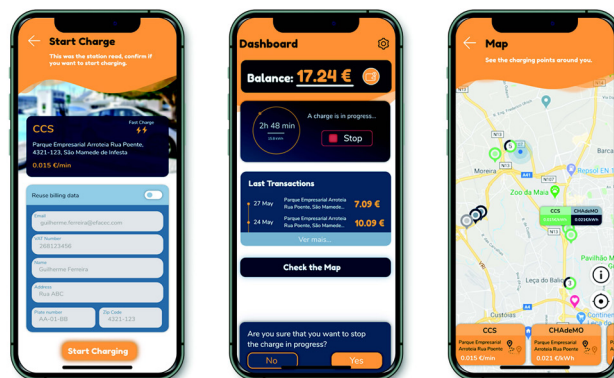
- CS control, test and commissioning
- Alarm management and correlation
- Energy and use monitoring
- Network performance indicators
- Fully compatible with all OCPP protocol chargers
- Smart charging use cases

User Management

- User & card management, including customer association, activation, blocking and cancellation
- Advanced reporting, including station usage and energy sold

Web portal and mobile app for EV Drivers

- Customisable portal/app
- CS search, map location, availability and reservation
- Notification management, including news, end of charge and upcoming reservations



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EVCore LMS

Management Software

Load Management System

Overview

The EVCore LMS is a software and hardware platform designed to optimise the distribution of electricity among multiple EV Chargers. This solution allows our customers to:

- **Balance Power Demand:** ensuring the total power for the EV Charger will not exceed the capacity of the electrical system.
- **Dynamically distribute power:** the EVCore LMS system dynamically adjust the power supplied to each EV Charger based on the power available and the number of vehicles being charged.
- **Grow efficiency and save costs:** by managing the load, EVCore LMS can reduce the need for expensive power infrastructure investments.
- **Enhance the user experience:** all vehicles can be charged simultaneously without compromising the stability of the power system.
- **Comply with power regulations:** this system is the most cost-effective way to comply with local electrical codes and standards.



Main features

- Static management
- Dynamic chargers, management/curtailment control and feeder monitoring through connection with a smart meter
- OCPP 1.6 back-office
- Downstream integration with Efacec chargers through Modbus TCP/IP
- Web Portal HMI for local and remote monitoring
- Real-time control
- Offline operations

Perks

- Low-cost investment
- No power cuts due to grid overload scenarios
- Minimise operational and investment costs on the grid connection equipments
- Allow for increase of number of charging points without needing to directly increase the grid connection capacity

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Services

Overview

Our Services portfolio ensures the longevity and efficiency of our EV charging solutions through a comprehensive suite of support options.

We offer training programs for operators and technicians, with sessions that cover installation, troubleshooting, and system optimisation, equipping teams with the skills to manage their charging infrastructure in the most efficient way.

We also provide maintenance and support, including preventive maintenance, remote diagnostics, and on-site repairs. A dedicated spare parts program ensures quick replacements, minimising downtime and keeping chargers operational with minimal disruption.

To help our clients keep pace with the evolving EV landscape, Efacec offers retrofits and upgrades that enhance charger performance, compatibility, and security. These extend the lifespan of the charging infrastructure, reducing the need for high-cost replacements.



Training

Our training services offer comprehensive EV charging station installation training, along with all necessary documentation and courses in operations and maintenance of our EV Chargers points and CPMS software.

These services are available based on our client needs and can be performed both online and on our premises in Portugal.

Maintenance

We are 100% focused on availability, making each product 100% available over time.

Our maintenance services allow us to manage our charger points and keep track of their status through our asset management operation control centre that includes the online status of all installed chargers.

From our control centre, our dedicated technicians can help our Authorised Service Partners checking new firmware updates and remotely diagnose the charging stations to stop and fix errors.

Spare parts

Using our extensive database on the failure rates of key components, we recommend the essential spare parts needed for effective maintenance.

Efacec can ship spare parts within 24 to 72 hours, depending on the criticality of the spare part and as per the established agreement. This is made possible through our network of Authorised Service Partners.

Retrofits and upgrades

With more than 15 years of accumulated experience in developing our own EV charging technology, we are specialised in providing retrofit and upgrade services for our EV chargers. Our teams and Service Partners ensure that the EV Charging infrastructure is always up to date, efficient and reliable.

Some of the upgrades available

- Eichrecht Kits available for legacy products, like QC 45, HV 160 and HV 175, in Germany, extending the lifespan of these models.
- Replacement of the cooled cable by new generation of dry cables.
- New connector configuration options for our quick charging range (QC 60/90/120/180), such as transitioning from CHAdeMO to CCS.
- Install new payment terminals in existing products.
- Enhancements to the OCPP 1.5 communication protocol.

Authorised Service Partners

We have Authorised Service Partners across several countries in Europe, North America and South America. Our partners have all been certified by Efacec after undergoing training sessions where we assess and validate their technical competencies.



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