



Electromobility

Software Advancing E-Mobility

EOS

EOS is an advanced software solution for managing charging stations. This backend application is designed to monitor and manage all charging stations compatible with OCPP 1.6-J and OCPP 2.0.1 protocols. Additionally, EOS supports VDV 261 and VDV 463 standards. The system enables comprehensive monitoring and control of charging stations and seamlessly integrates with EBS (Ekoenergetyka Billing System), which facilitates billing, invoicing, and payment management for charging units equipped with payment terminals. With EOS, you can centrally manage and monitor your entire charging infrastructure, ensuring streamlined and efficient billing and payment processes.

Key Features

- User-friendly and customizable dashboards
- Data export with flexible scheduling and formatting options
- Access to real-time and historical data
- Event notifications via Email, SMS, and In-App Alerts
- Web-based access through a browser
- Visualization of the charging process – diagrams and maps
- Simple quick view – fast and easy access to charging station status
- Remote control, diagnostics, and configuration of charging points – includes remote start and stop functionality, Smart charging support

Advantages

- Installation options > On-site > In a data center > Software-as-a-Service (SaaS)
- Multilingual interface > Polish > English > German > Spanish > Other languages
- Integration options > Seamless integration with other applications

Two Customized Versions

OS Access

- Cloud-based access
- Authorized system access
- Live data overviews
- Accessible via a web browser
- Support for up to 5 user accounts

EOS Full

- Includes all EOS Access features
- Full administrative rights
- Management of charging points compliant with OCPP
- Unlimited number of users
- Optional extensions for: EPG (Smart Power Management) and EVC (VDV 261 Module)

EPG

EPG, or Power Guardian, is a comprehensive energy management toolkit. Firstly, it allows for quick and effortless adjustments to the maximum power of any OCPP-compatible charger. It supports charging profiles, enhancing flexibility by enabling customers to set parameters based on specific dates (e.g., different values for weekdays and weekends). In addition, it serves as an advanced energy management tool for groups of charging stations. The system's primary function is to ensure that the maximum power of a group of charging points is not exceeded at any given moment. Its advanced algorithm accounts for various variables, including: Charging status (including offline stations), Current vehicle demand, Assigned priorities

Key features

- Simplified energy management by EOS system operators
- Advanced energy management for groups of charging points
- Available as an EOS system module or a standalone Version (e.g., local current monitoring)
- Integration capabilities with Modbus TCP/IP and CAN ethernet protocols - enables power limitation or measurement of available energy with external devices

EBS

EBS is an extension of the EOS system designed for billing, invoicing, and payment management for standalone charging stations with payment modules or charging nodes. Additional DataTransfer messages from OCPP 1.6-J are used to facilitate communication with charging stations.

Key Features

- Recording and balancing of charging transactions
- Billing and pricing management
- Integration with payment terminals installed on charging stations
- Provides information for a dedicated mobile application available for Android and iOS
- Accessible via a web browser – no additional software installation required
- Possible integration with POS (Point of Sale) systems via REST API (provided and documented)
- Integration with additional charging station components, such as information displays and access control systems
- Ready to communicate with any other backend system using REST API

CMC

CMC software is a diagnostic and configuration tool providing data overview and basic configuration for charging stations manufactured by Ekoenergetyka-Polska. Accessing this tool is straightforward: simply connect to the IP address of the charging station via a web browser using a standard HTTPS connection—no additional software installation is required. Connect your computer to the charging station either: Directly (via an Ethernet cable) or Remotely (using a private network).

Key Features

- Configuration of installation parameters for OCPP-compatible charging stations: OCPP Server URL, Charging point identity
- Error history with descriptions and recommended actions
- Downloading log files
- Transaction parameters, including power and voltage
- Network interface configuration
- Remote diagnostics and configuration of charging points
- Management of the local access list

