

# P-CHARGE EWS-Box

## Control unit for charging station with 2 autonomous charging points

**SPECIFICATION**  
**P-CHARGE EWS-BOX**

- Charging station control unit for electric vehicles
- Simultaneous provision of energy to 2 vehicles
- Detection of max. capacity of charging cable
- 4 push buttons per charging outlet
- 4 LED outputs per charging outlet
- Real-time clock with backup battery
- Configuration of parameters via PC or website
- Supports a variety of locking mechanisms
- Management in a global network via LAN
- Access control through RFID authorization
- Detection of and dealing with power outages
- Compilation of meter data via S<sub>0</sub>-interface

**APPLICATION EXAMPLES**

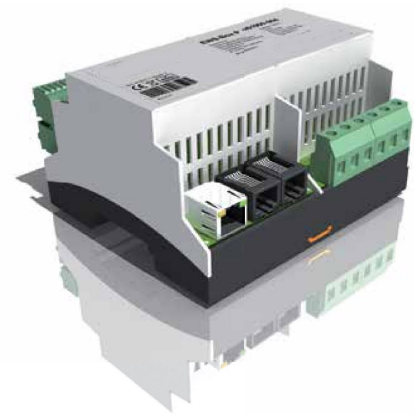
- Charging pillars in public domain
- Wall-mounted Wallboxes for domestic use
- Charging points in commercial domain for fleet management

**ELECTRICAL DATA**

Supply	230VAC / 50Hz
Power input	max 3.5W
Nominal load	300VA (AC-15) per grid outlet
Max. load to the locking mechanism actuators	2 x 12V / 5A
Grid outlets	2 x contactor controls 1 x ventilation control
Interfaces	2 x RS232 1 x Ethernet (10/100)
Vehicle connection	2 x in accordance with DIN61851-1
Dimensions BxHxD	86x106x61 mm (no connector and cable)
Weight	approx. 100g
Temperature range	-25°C bis +70°C
Processor	16 Bit CPU with 768 Flash
EEProm	8 KByte
Display	2 x 4 LED outputs
Control	2 x 4 input buttons
Responses	2 x RCD switch 2 x contactor switch 2 x locking switch
Contact	4 x 9 pol PDU (2 per vehicle)

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The electric vehicle is gaining profile as a major point of public interest, along with the associated provision of cost-effective power in arbitrary locations throughout the day.

By installing a P-CHARGE EWS Box, a provider can set up charging points which can operate either independently, in a restricted environment, or which can be integrated as part of a complete system.

The P-CHARGE EWS Box serves as the main control unit. It manages communication with 2 connected electric vehicles simultaneously but independently of one another, compiles and delivers current status data and processes control instructions from a higher-level system.

As such, the module presents a host of direct and indirect control- and intervention options. The user can operate the system either using the usual, on site controls or can access the charging-point control unit via a centralized management system. The integrated RFID support with modular RFID reader ensures configurable, controlled and authorized access even without a LAN connection.

With the help of the integrated webpages, the user can configure the system specifications in alignment with the relevant environmental conditions and system specifications. The module is compatible with a large number of components produced by reputable manufacturers of e-mobility products.

For further information relating to the P-CHARGE EWS Box, please refer to our website here: [www.ssl-energie.de](http://www.ssl-energie.de)

» Further **P-CHARGE** products  
and detailed product information can  
be found under [www.ssl-energie.de](http://www.ssl-energie.de)