

# Release note v1.10.7



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# Release note FW 1.10.7

## Improvements

- **Diagnostics window optimization**
  - “Current limit factor” display moved to new location.
  - Input voltage stats expand/minimize button added.
  - Output voltage stats expand/minimize button added.
  - Output voltage on Neutral wire representation.
  - Hidden L2, L3 voltage widgets in single phase products.
  - Other minor cosmetic changes
- **DLM communication improvement**

From now on, product will have integrated 5 seconds delay after communication loss with the Master device. If communication was not reset, charging will be stopped.
- **Solar charging feature improvement**

From now on, users will be able to use external MID certified meter to calculate accurate consumption during sessions which use Solar energy as well.
- **Current leakage error control in EVC161 product**

In case Current leakage is/was detected, error message will remain active until users intervention. It can be achieved by:

  - Rebooting station via APP/OCPP
  - Turning main fuse ON/OFF
- **Time format representation changes**

From now on, sessions in usage window will show combination of month and year in a datewidget. i.e. Dec 6, 2013 – Jan 2, 2014

# OCPP

- **Additional mode in OCPP - “PlugAndChargeNoAuth”**

From now on it will be possible to enable plug and charge using default ID without NFC cards.

- **Other OCPP functionality improvements**

- Authorization handling improvement while with OCPP active
- Suspended EVSE OCPP status is being represented in the application
- Charging mode override drop down list hidden while OCPP is active

- **Randomized delay using OCPP**

Added new custom configuration element called “RandomisedDelay”. Function allows for delay before charging session.

- Default value for EVC16 is 600 s.
- Other versions will have default value 0 s.
- Valid value range 0-1800 s.

- **Installer settings control via OCPP**

From now on it will be possible to configure Installer menu settings via OCPP server. At the moment scope covers main grid and balancing parameters:

- General settings voltage and grid power;
- Dynamic load balancing enabling
- Dynamic Load Management enabling
- Solar Charging enabling
- Simplified charging
- RFID card enabling/disabling

## New Features

- **Dynamic Load Management for EVC16X HW**

From now on, EVC16X firmware supports Dynamic Load management. This functionality can be achieved using such calculation methods:

- Static - Without any meter. Charging stations are connected in separate grid without additional load.
- Energy meter - external meter connected to take into consideration house or office load.
- CT clamps - clamped on the mains cable in order to adjust usage to meet remaining power from the house/office

- **Diagnostics window update**

From now on there are two new sections in Diagnostics window called “Live data from energy meter” and “Live data from CT”. They appear after DLB is activated in Installer menu. In section “Live data from energy meter”, charging station will be able to provide information such as:

- Voltage
- Grid load
- Solar surplus

These values are measured by energy meter on one and three phase setup. In section “Live data from CT” charging station will be able to provide information about measured amperage on DLB CT.

- **Possibility to delete paired chargers**

From now on, application will provide a possibility to remove unused charging stations from main selection window.

- **Additional meter support**

From now on we have expanded list of supported energy meters:

Supports DLB and Solar:

- Chint DTSU666 / DDSU666
- Acrel DTSD1352

Supports DLB (can not be used in Solar instalations):

- Entes ES-45LS.

- **Personalization settings update**

Clients will be able to choose what kind of measurement is used to represent power consumption. It will be possible to choose between A and kW. Setting is called "Display units".

- **Automated closing of the application (Android only)**

From now on, if Android application would be left unused for 30 sec or more, it will closeby itself to relief device from memory strain and optimize usage.

- **Interactive warning icon in the application**

From now on user will be able to press on the red "warning" label in application charging window. It will automatically redirect user to "Active errors & warnings" section for simpler navigation.

- **Additional modem statuses**

Added new mobile statuses in connectivity section:

- "Disconnecting"
- "Turning on"
- "Turning off"

## **APP and FW fixes**

- Language translations optimization
- LED indications optimization
- Timer stabilization
- PEN fault protection optimization
- Performance optimization