EcoStruxure ™

# EV Charging Expert

Life Is On | Schneider Electric




# Release Notes

7.0.1 software version

# What's new?

## Warning

It will be mandatory to install the version 7.0.1 before next update.

## Corrections

Analytics:

- Correct unit displayed in analytics tab for the DC charges.
- EVCE webpage is always available after startup

# Supported charging stations

| Charging station | Recommended version |
|---|---|
| EVlink Pro AC | 2.0.1 |
| EVlink ProDC 60/120/180/320kW | 3.4.8823 |
| Schneider StarCharge Fast 60/180/320kW | 3.4.8823 |
| EVlink ProDC 720kW | Power Cabinet v3.4.8908<br>Dispenser v3.4.9008 |
| EVlink Parking | 3.4.0.10 |
| EVlink SmartWallBox | 3.4.0.10 |
| EVlink City | 3.4.0.10 |
| Schneider Charge Pro | 3.2.14 |
| 24kW DC Charger | V028.803 |

# Restrictions

- Power outlet feature is not supported anymore by EV Charging Expert since version 6.0

# Information

- In “Station fleet” widget in EV Charging Expert web interface, all connectors are being counted including domestic sockets what may increase their number compared to the display before version 5.3.0 was installed. Moreover, these connectors are exclusive. For instance, on a EVlink ProAC with T2 + TE sockets, it means that T2 connector is displayed as unavailable if TE socket is being used.
- To execute a “back to factory” operation, it’s not possible to do it anymore with digital input. To perform a back to factory please refer to EV Charging Expert User guide.
- To install this version, it is mandatory to have an EV Charging Expert with a version upper than 6.0.0 otherwise it is mandatory to use version 5.5 and perform a migration to install upper version.

**Schneider Electric Industries SAS**
35, rue Joseph Monier
CS 30323
F - 92506 Rueil Malmaison Cedex
www.schneider-electric.com

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# EcoStruxure EV Charging Expert release note for version

## 1) Document scope

This release note presents the new features and modifications added to the EcoStruxure EV Charging Expert.

The software release package will consist in EcoStruxure EV Charging Expert software and associated documentation.

## 2) Hardware revision

This software release is compatible with EcoStruxure EV Charging Expert:

- HMIBSCEA53D1EDB
- HMIBSCEA53D1ESS
- HMIBSCEA53D1ESM
- HMIBSCEA53D1EDS
- HMIBSCEA53D1EDM
- HMIBSCEA53D1EML
- HMIBSCEA53D1EDL
- HMIBSCEA53D1EM30
- HMIBSCEA53D1EDBSCP
- HMIBX1A0NEVB100SCP

## 3) Other resources

- Availability of software packages
  - On www.se.com
  - User guide
    - See DOCA0358EN for HMIBSC references on www.se.com
    - See DOCA0458EN for HMIBX1 references on www.se.com

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## Release notes 7.0.0

# Enhancements

Features:

- Extend the number of zone to 50.
- New commercial reference (HMIBX1A0NEVU250) managed.
- Support new third party charger WALLBOX Pulsar PR2-W-2-4-K-002.
- Added new tab in HMI to show KPI and curves
- HMIBSC now allows up to 100 chargers with all licenses, with no model of SE chargers limitation

# Corrections

OCPP:

- The installation of Schneider Smart WallBox/Parking and City can install chargers with modified box identifier.
- Missing logs from CSMS are now logged.
- It's now possible to upload maintenance report from Schneider Charge Pro even if the report is large.
- Information are displayed when a station installation fails

Licensing:

- Third party charging station installation is now possible.

Back to factory:

- EVCE delete diagnostic report sub folder after a back to factory.

## Release notes 6.8.0

# Enhancements

Features:

- Possibility to use one DI on HMIBX1 with an external module
- Possibility to customize the session timeout
- Some cyber-security enhancements
- Add support of EVlink ProDC 720 kW chargers

HMI:

- Rename IES station as DC24
- Add a legal text about 3rd party charging station

# Corrections

Firmware update:

- It's possible to update the firmware of the Schneider Charge Pro even if spaces are present in the firmware's filename.

Back to factory:

- EVCE release note is not deleted after a back to factory

## Release notes 6.7.1

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## Warning

The ongoing transactions on Schneider Charge Pro will be defectively stopped after the EVCE FW update consequently to a bug fix.
You will have to restart it to continue the charge.

## Enhancements

Features:

- Plug & Charge support for OCPP 1.6
- Add consumption for each period in CDR
- Except for the license HMIBSCEA53D1EM30, all licenses for HMIBSC supports now 100 stations.

HMI:

- On IT grid, a warning is displayed when the user tries to install a three phase Smart WallBox, Parking or City.
- Change the authentication user group doesn't remove name field.
- An alert is displayed when the charging station firmware is inferior at the minimal version supported.
- An user can manage the badges.

## Corrections

Firmware update:

- It's possible to update the firmware of the Schneider Charge Pro even if spaces are present in the firmware's filename.
- The given HTTPS link by the webserver to realize a firmware update is now correct.

Charging station:

- It's now possible to disable the RFID reader on the Schneider Charge Pro.
- EVCE still responsive even if a charging station send a "MeterValue" message with a value to "NaN" and doesn't suspend the charge.
- EVCE download maintenance report for only selected charging stations.

Energy management:

- It's possible to have a subzone degraded setpoint lower than the zone degraded setpoint.

Network:

- After a migration from the version 5, the communication with Smart Wall Box is not loss.

# Release notes 6.6.6

## Enhancements

Some cyber-security enhancements

## Corrections

- Keep all stations in the interface after a power outage of all stations (keep also capability to generate report from the EVCE interface),
- Capability to add manually Charge Pro station from installer,



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- Consolidation of rotation settings with EVLink Parking MONO,
- Fix DHCP redirection issue

## Release notes 6.6.0

# Enhancements

Commissioning:

- Integration in pre-commissioning tool for up to 30 Schneider Charge Pro chargers. Only available for Schneider in project mode.

## Release notes 6.5.0

# Enhancements

License:

- Facilitates license upgrades by enabling license information export

After installing the new version (6.5.0), Schneider Charge Pro can be installed on the following licenses

- HMIBSCEA53D1EDB
- HMIBSCEA53D1EDS
- HMIBSCEA53D1EDM
- HMIBSCEA53D1EDL

Maintenance:

- Allow to download diagnostic report of a charger from “Charging stations” page

Energy Management:

- Add the reduction source into the dashboard
- Ability to manage up to 250 chargers any references on HMIBX1A0NEVB100SCP reference

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## Corrections

Interoperability:

- Ensure compatibility with CPOs by prohibiting spaces at the beginning and at the end of the OCPP box identifier.

# Release notes 6.4.1

## Enhancements

Charging station integration:

- Add support of two new licenses: HMIBSCEA53D1EDBSCP and HMIBSCEA53D1EDSSCP

Maintenance:

- Improve error messages description to provide solution to user.
- Add new description in functional log to improve support capabilities.

## Corrections

Maintenance:

- Uncompressing maintenance report data does not display warning on Windows.

Configuration:

- Certificates are properly restored when importing configuration

# Release notes 6.4.0

## Enhancements

Charging station integration:

- Ease the installation of Charge Pro thanks to discovery process.

Charge Detail Records:

- Add comment column into Charge Detail Records.

Maintenance:

- Allow to perform actions on multiple chargers from dashboard.

## Corrections

User management:

- Fix unexpected logout when editing user

Network:



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- Send wrong IP address to charger when launch upgrade process from a remote network

# Release notes 6.3.0

## Enhancements

Energy management:

- Added new energy management feature to avoid transactions starting at 0A. To be activated specifically in EVCE UI.
- Optimize EM for DC chargers to have less power waste when the EV is not using all the setpoint

Charging station :

- Support Schneider Charge Pro charging stations only with **HMIBSCEA53D1EM30** reference

Network :

- Added DHCP client capabilities
- Added SSDP broadcast so EVCE can be discovered on the network
- Activated second ethernet port to support multiple networks.

Languages :

- Italian support

Misc :

- Added a metadata field into transaction

## Corrections

Authentication:

- Optimize import to work with up to 2 000 badges

Power meters:

Fix reading modbus input registers

# Release notes 6.2.1

## Corrections

Network:

- Improve DNS resolution for OCPP communication

Maintenance:

- Fix import of configuration with multiple supervision

Cybersecurity:

- The following third-party components have been updated to address cybersecurity vulnerabilities:
  - OpenSSH CVE-2024-6387

# Release notes 6.2.0



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## Enhancements

Energy management:

- Add support for local energy production (solar, wind...) and a new way to consider local production into energy management strategy

OCPP Standard:

- Add support for multiple remote supervisions on one device

24kW DC Charger support

## Corrections

OCPP Standard:

- Record offline transaction which occurred with an invalid RFID card in internal database

Network:

- Fix network mask, gateway, and DNS settings configuration for charging station on other subnetworks.

Maintenance :

- Fix import of configuration when importing the same configuration multiple times

Authentication :

- Fix display of large number of RFID badges

# Release note 6.1.0

## Enhancements

Energy management evolutions:

- New supported electrical network: 3 x 230V without neutral
- Electrical network selection in configuration webpages (3 x 230V with or without neutral)

Improve charging station firmware update status with a dedicated information.

Add state of charge information (EV battery information) during transaction on DC charging station.

New charging station can be installed thanks to its IP address when it is not automatically discovered.

## Cybersecurity

OCPP security profile 1 and 2 with remote supervision (HTTP Basic Authentication with or without TLS). Charging stations password configuration in webpages.

## Corrections

OCPP Standard:

- Improve behavior when communicating with the remote supervision through networks with poor quality of service (4G modem)
- Allow basic charging station configuration when not connected to remote supervision

Energy management:

- Add sanity checks on power meter data management
- Remove reset of degraded setpoint value when power meter is assigned to a new electrical zone

Remove connection status popup and better support for the operator user.



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# Release notes 6.0.2

## Enhancements

Major evolutions of webpages interface (Graphical charter update, Menus adaptations…).

New way of configuring badges authentication on chargers per group

- New configuration interface.
- Chargers group concept to manage RFID card with custom rules.

Badge management and Remote Start feature are no more accessible when supervision is configured in EV Charging Expert.

Charging Station Management System connectivity can be tested from HMI.

Add new HMI in admin part to:

- Manage charging station firmware.
- Manage EV Charging Expert certificates.

New Rest API requests to monitor and control charging stations from an energy/building management system.

Integration of EVlink ProDC60 in load balancing experience.

Dynamic Load Management, Time of Use, VIP, Digital I/O features are now available for any license type.

## Cybersecurity

Improve cybersecurity:

- Hardware cyber protection
- Operating system update
- Webpages access is limited to one session per user
- OCPP secure profile 2 (basic authentication) is automatically managed between EV Charging Expert and Schneider Electric charging stations.

## Corrections

Possibility to add power meter from another subnetwork

Supervision URL can be modified through EV Charging Expert

OCPP MeterValue intervals are respected

DHCP server never allocates same IP address twice

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