EcoStruxure ™

EV Charging Expert

Life Is On | Schneider Electric



Release Notes

6.3.0 software version

What's new?

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

Supported charging stations

Charging station	Supported	Minimal version
EVlink Pro AC	Yes	1.3.8
EVlink ProDC 120/180	Yes	2.5.2
EVlink ProDC 60	Yes	2.4.6
EVlink Parking	Yes	3.4.0.9
EVlink SmartWallBox	Yes	3.4.0.9
EVlink City	Yes	3.4.0.9
Schneider Charge Pro	**Yes**	**1.18.1**
24kW DC Charger	Yes	V028.803
Bender	No	
Wallbe	No	

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.

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EcoStruxure EV Charging Expert release note for version 6.3.0

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**

3) Other resources

- Availability of software packages
  - On www.se.com
  - User guide: see DOCA0358EN on www.se.com

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Annexes

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

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.

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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.

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

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- 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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