

EcoStruxure for eMobility in Buildings System Release Note – April 2024

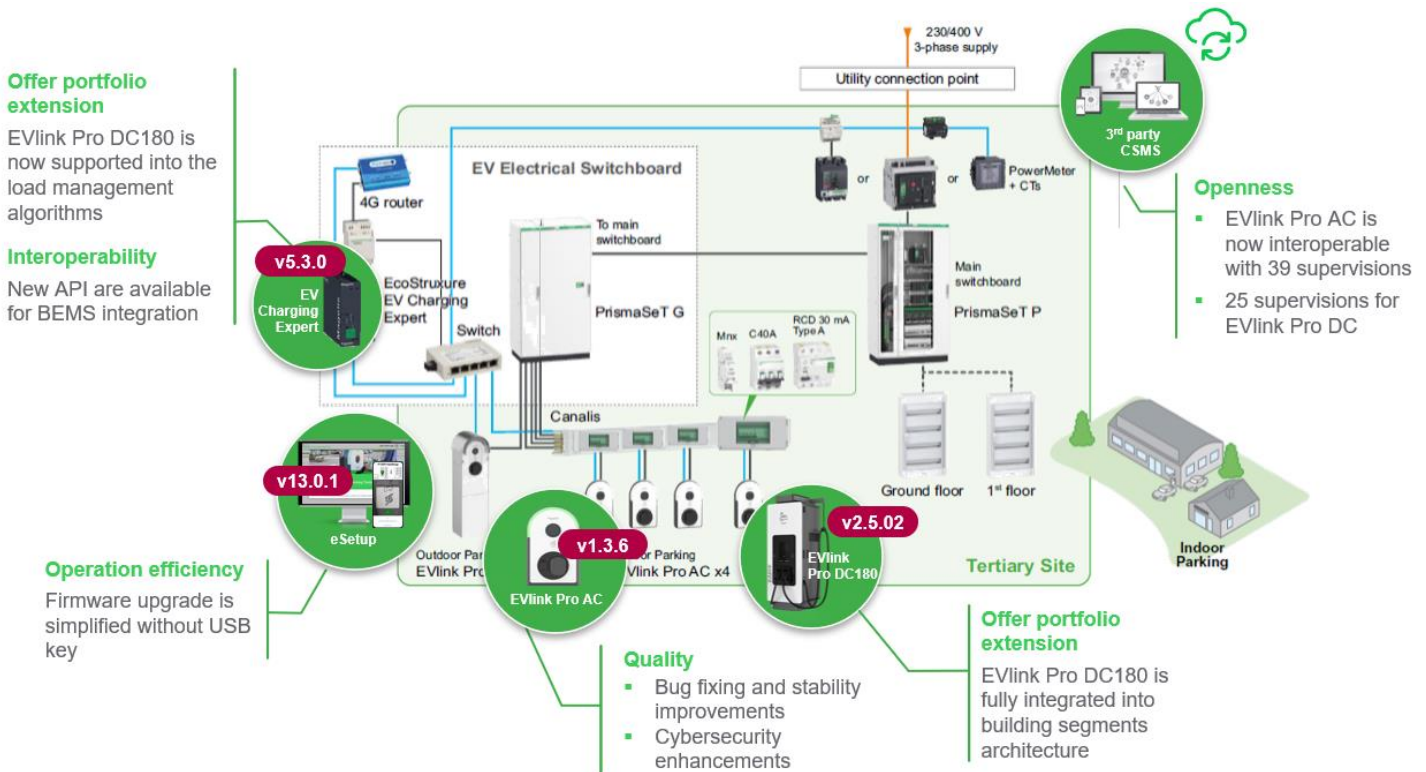
9 April 2024

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Table of contents

- 1 What's new?..... 2
- 2 Interoperability with supervisions..... 2
 - 2.1 EVlink Pro AC 2
 - 2.2 EVlink Pro DC (above 120 kW) 3
- 3 Baseline 3
- 4 Improvements 3
- 5 List of limitations..... 4
 - 5.1 EcoStruxure EV Charging Expert 4
 - 5.1.1 Operate 4
 - 5.1.2 Maintain 4
 - 5.2 EVlink Pro AC 4
 - 5.2.1 Commissioning..... 4
 - 5.2.2 Operate 4
 - 5.2.3 Maintain 4
 - 5.3 EVlink Pro DC (above 120 kW) 4
 - 5.4 EVlink Legacy (Smart Wallbox, Parking, City) 4
 - 5.5 eSetup..... 5
- 6 Useful links..... 5

1 What's new?



2 Interoperability with supervisions

Here is the list of charging stations management systems (CSMS) where interoperability with Schneider Electric chargers has been validated:

2.1 EVlink Pro AC

- Bouygues
- Charge Angels
- Chargecloud
- Chargefox
- ChargeIn
- Chargemap
- Chargepoint
- Driivz
- eFlux / Road
- Elocity
- eMabler
- EpicCharging / Let me Charge
- EV1

- EV Advisor
- Every
- EVWay
- Freshmile
- Gridware
- Has-to-Be
- Ionage
- Izivia
- Last Mile Solution
- Mobi-E
- Monta
- Nemo
- Nexteneo

- Ongriz
- Optimile
- Origin / Greenflux
- Powerdale
- Reev
- SaP
- Skidata
- Stromnetze Hamburg
- TelioEV
- Virta
- Wego / Eiffage
- Yes55

2.2 EVlink Pro DC (above 120 kW)

Bouygues	Gridware	Monta
ChargEco	Has-to-Be	Nexteneo
Chargemap	Ionage	Ongriz
Chargepanel	JustEV	Optimile
Elocity	Let Me Charge	Vourity
Evlomo	Magic Charge	Wego
EV Advisor	MEA	Yes55
Flexibility AS	MNL	
Freshmile	Mobi-E	

3 Baseline

Official baseline is compatible with the following product versions:

Product	Version
EV Advisor	-
EcoStruxure EV Charging Expert*	5.3.0
EVlink Pro AC	1.3.6
EVlink Pro DC (above 120 kW)	2.5.02
EVlink legacy (Smart Wallbox, Parking, City)	R8 Run 6 - 3.4.0.6
EVlink DC 24 kW	V026
EVlink Parking 3 (Bender)	5.32.0
EVlink Parking 3 (Wallbe)	03.01.33
eSetup	13.0.1

* EV Charging Expert embedded versions: EVlink Pro AC (1.3.6), EVlink Legacy (R8 Run 1 - 3.4.0.1)

These architectures have been validated with up to 100 stations with supervision and EcoStruxure EV Charging Expert while one third of the stations have an ongoing charging session during a period of two days.

4 Improvements

- Improve robustness and performance for large EV installations (100 charging stations with EcoStruxure EV Charging Expert).
- Integration of EVlink Pro DC (above 120 kW) stations with EcoStruxure EV Charging Expert with optimized energy management algorithms.
- Ability to upgrade Pro AC firmware without USB key from eSetup.
- Improve OCPP 1.6 Security Whitepaper (3rd edition) implementation.

5 List of limitations

Main list of limitation for the current baseline are described below. For detailed explanations at product level, please refer to product release note.

5.1 EcoStruxure EV Charging Expert

5.1.1 Operate

- EVlink DC 24 kW with CHAdeMo connector are not supported in EVCE.
- EVlink Pro DC with CHAdeMo connector doesn't support smart charging profiles.
- When adding supervision in an existing EV infrastructure, EVlink legacy stations need to be manually rebooted.
- WebSocketPingInterval OCPP key cannot be changed from supervision.
- For stations with two connectors, EVCE does not send meter values with proper intervals.
- For stations with two exclusive connectors (T2S + TE), one charge point will be with charging status while the other will remain in unavailable status.

5.1.2 Maintain

- While upgrading EVCE to the latest firmware version, all ongoing charging sessions are stopped.

5.2 EVlink Pro AC

5.2.1 Commissioning

- Authorization key length shall be from 32 to 40 characters long in hexadecimal format.
- External power meter for dynamic load management cannot be configured if the station has an embedded MID power meter.

5.2.2 Operate

- Charging sessions started offline are stopped when network connection is recovered if there is an EVCE in the architecture.

5.2.3 Maintain

- Network communication is turned off during 60s while rebooting the station.

5.3 EVlink Pro DC (above 120 kW)

N/A

5.4 EVlink Legacy (Smart Wallbox, Parking, City)

N/A

5.5 eSetup

- Basic authentication toggle shall be reactivated every time supervision settings are changed.
- Root CA of the supervision is lost when the supervision is disabled.

6 Useful links

Refer to each product page for additional content (user guide, instruction sheets, release content, firmware...):

- [EcoStruxure EV Charging Expert](#)
- [EVlink Pro AC](#)
- [EVlink Pro DC \(above 120 kW\)](#)
- [EVlink Smart Wallbox](#)
- [EVlink Parking](#)
- [EVlink City](#)