

# eMobility for Building and Fleets

## 25-Q3 – System Release Note

14<sup>th</sup> October 25

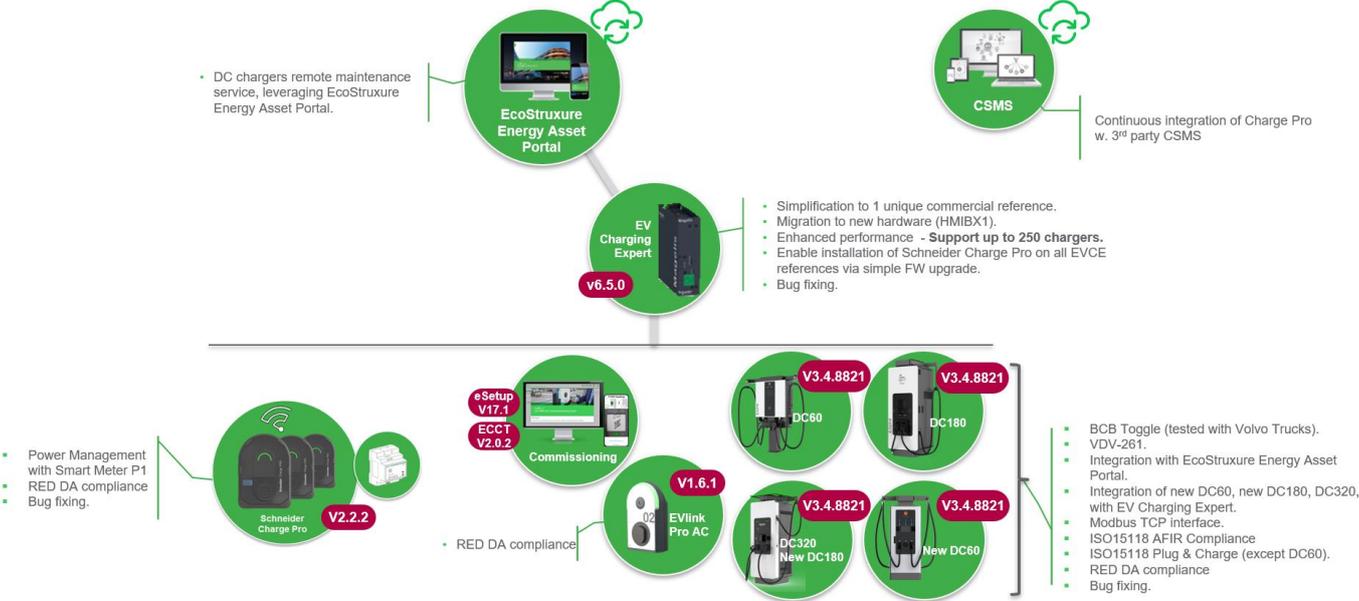
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# 1 What's new?



## 2 Interoperability with CSMS

Schneider Electric charging stations are interoperable with the following list of Charging Stations Management Systems (CSMS). This list is not exhaustive, but interop was verified with following CSMS :

### 2.1 EVlink Pro AC

ABL Enerji	Everyt	Powerdale
Allego	EVWay	Reev
Ampeco	Freshmile	REXcharge
Bouygues	Gridware	SaP
Charge Angels	Has-to-Be	Skidata
Chargecloud	Ionage	Smatrics
Chargefox	Izivia	Spirii
ChargeIn	Last Mile Solution	Stromnetze Hamburg
Chargemap	Let me Charge	TelioEV
Chargepoint	Load Motion	Vattenfall
Driivz	Mobi-E	Virta
E55C	Monta	Yes55
EpicCharging	Nemo	Wego / Eiffage
eFlux / Road	Nexteneo	Wiigo
Elocity	Ongriz	
EMabler	Optimile	
EV1	Origin / Greenflux	

### 2.2 Schneider Charge Pro

ChargeGuru	EV Way	Parkl
EFlux	MNL	SP Mobility
Electricase	Monta	Zeplug
Epic Charging	Ongriz	

## 2.3 EVlink Pro DC 180

ALB Enerji	EVlomo	Mobi-E
Ampeco	EV Way	Monta
Bouygues	Electricase	My Diego
CarMediaLabs	eParking/IGL	Nexteneo
ChargEco	Flexibility AS	Ongriz
Chargemap	Freshmile	Optimile
Chargepanel	Gridware	PLN Icon Plus
Chargewise / MNL	Hobaca	Spirii
ChargeKeeper	Has-to-Be	Starvo
ChargeAngels	Icon Plus	Total
City Energy	Ionage	VEV
Current	JustEV	Vourity
Cloudics	Last Mile Solution	Virta
Cway	Let Me Charge	Wago
Eigen	Magic Charge	Wego
Elocity	MEA	Wiigo
Etisalat	Mobilyweb	Yes55
Epic Charging	MNL Solutions	
Etecnic	Move	

## 2.4 EVLink Pro DC 60

Charge Angels	Icon Plus	MNL Solutions
ChargeIn	Last Mile Solution	Total
Gridware	Monta	

## 3 System baselines

Main recommendation is to deploy the latest tested and validated system baseline on the field:

Latest tested and validated baseline	Version
EcoStruxure EV Charging Expert 6*	6.5.0
EVlink Pro AC	1.6.1
Schneider Charge Pro	2.2.2
EVlink Pro DC 180	3.4.8821
EVlink Pro DC 60	3.4.8821
EVlink Legacy (Smart Wallbox, Parking, City)	3.4.0.10
eSetup	17.1
ECCT	2.0.2

\* EV Charging Expert 6.5.0 doesn't embed charging stations firmware anymore.

\* EV Charging Expert 6.5.0 minimum versions: Pro AC 1.3.8, Schneider Charge Pro 1.18.1, Pro DC 180 2.5.02, Pro DC 60 2.4.06, Legacy 3.4.0.9

These architectures have been validated with up to 250 supervised stations and EV Charging Expert 6.5.0 while one third of the stations have an ongoing charging session during a period of two days.

### 3.1 Schneider StarCharge Fast FW management

If the charging station is already in service and connected to EV Charging Expert, the update is then possible remotely from EV Charging Expert or any CSMS, which avoids a physical intervention on the charger.

Charging station updates can be done through EV Charging Expert user interface: see EcoStruxure EV Charging Expert user guide: [DOCA0163](#)

## 4 List of limitations

The list of limitations for the current baselines is described below. For detailed explanations at product level, please refer to chapter 5.

### EcoStruxure EV Charging Expert 6

- **The following stations are not supported in EVCE 6:**
  - o Bender and Wallbe

#### 4.1.1 Commissioning

- 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 5.5.3 and perform a migration to install upper version.

#### 4.1.2 Maintain

- To execute a “back to factory” operation, it’s not possible to do it anymore with the digital input. To perform a back to factory, please refer to EV Charging Expert User guide.

## 4.2 EVlink Pro AC

- 4G modem can lose communication or may not be detected properly,
- After the last transaction, just following a charge, it is possible that a "start charge" is relaunched if the EV is still plugged in,
- When a badge is detected several sounds are emitted whereas only one authorize is sent to the supervision,
- Esetup Android cannot any more configure a modem, but it is still possible with iOS and PACTT,
- Pro AC could lose date and time
- 

#### 4.2.1 Commissioning

- Not concerned.

#### 4.2.2 Maintain

- Not concerned

## 4.3 Schneider Charge Pro

#### 4.3.1 Commissioning

- When the station is configured to be connected to the CSMS using Wi-Fi, it is not possible to set a fixed IP.
- The station is not always sending its latest status after the installation process in EV Charging Expert. A reboot of the station is needed when falling in this case.

### 4.3.2 Operate

- The station allows to start a charging session with a setpoint lower than 6A.
- When starting remotely a charging session, the requested charging profile is not applied for a few meter values at the beginning of the charging session.
- When a communication loss is occurring, the station may send erratic timestamps for the status notification.

### 4.3.3 Maintain

- Station may need to be restarted (after 30 min) to connect the station with ECCT tool.
- "Get Diagnostics" OCPP message is not working when FTP protocol is used.
- Station logs may appear in the wrong order in some specific sequence.

## 4.4 EVlink Legacy (Smart Wallbox, Parking, City)

### 4.4.1 Commissioning

- Station web page doesn't allow to add manually custom certificates.

### 4.4.2 Operate

- CDR export via http server is not working.
- When a CPO is sending a charging profile set to 0A, no current is offered to the EV, but the station is seen as "SuspendedEV" instead of "SuspendedEVSE".

### 4.4.3 Maintain

- To optimize FW upgrade process, you should reset to factory first and then upgrade the FW.

## 4.5 Schneider StarCharge Fast

### 4.5.1 Commissioning

- For some specific stop reasons, gun information is not displayed, and the user may be logged out from the web pages. If this situation occurs, the user needs to login again.
- Station web pages only support English language.
- The station is not always sending its latest status after the installation process in EV Charging Expert. A reboot of the station is needed when falling in this case.

### 4.5.2 Operate

- In case of a network connection loss, at the reconnection of the station to the CSMS, online and offline meter values are sent at the same time.
- The usage of "Mifare Ultralight EV1" RFID card prevents starting a charging session as they are not detected by the RFID reader.
- Depending on the HMI language selected, when an error message is displayed, the full error message is truncated.
- At the beginning of a charging session, and for a short period of time, the station is sending a wrong "Power.Offered" value (higher than the maximal allowed value) which may impact other stations by lowering the current applied set points.

### 4.5.3 Maintain

- The firmware upgrade process is interrupted when there are spaces in the URL provided by the CSMS.
- An error message is displayed when a hard reboot is triggered in the web pages.
- When EV Charging Expert settings are reset to factory, EV Charging Expert certificates (OCPP and webserver) need to be removed and uploaded again using the web pages.

## 5 Useful links

Please refer to each product page for additional content (user guide, instruction sheets, release note, firmware, cybersecurity guide...):

- [EcoStruxure EV Charging Expert](#)
- [EVlink Pro AC](#)
- [Schneider Charge Pro](#)
- [EVlink Smart Wallbox](#)
- [EVlink Parking](#)
- [EVlink City](#)
- [Schneider StarCharge Fast 320](#)
- [Schneider StarCharge Fast 180](#)
- [Schneider StarCharge Fast 60](#)
- [EVlink Pro DC \(60 kW\)](#)
- [EVlink Pro DC \(180 kW\)](#)
- [EVlink DC fast charger \(24 kW\)](#)
- [eSetup for electrician \(Google Play\)](#)
- [eSetup for electrician \(App Store\)](#)