

# Schneider Charge Pro

Release Note FW version 3.3.8 for CCC

Life Is On

**Schneider**  
Electric



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## Document scope

This release note presents the new features and modifications added to Schneider Charge Pro.

The software release package refers to Schneider Charge Pro EVSE firmware and associated documentation.

## Commercial references

This software release is compatible with Schneider Charge Pro Charging Station:

- EVB4S22N40M (7,4 - 22 kW, TIC, T2S, MID)
- EVB4S22N40 (7,4 - 22 kW, TIC, T2S)
- EVB4S22NC0M (7,4 -22 kW, Attached Cable, MID)
- EVB4S22NC0 (7,4 -22 kW, Attached Cable)
- EVB4S22N40MG (7,4 - 22 kW, TIC, T2S, MID, 4G Module)
- EVB4S22N40G (7,4 - 22 kW, TIC, T2S, 4G Module)
- EVB4S22NC0MG (7,4 -22 kW, Attached Cable, MID, 4G Module)
- EVB4S22NC0G (7,4 -22 kW, Attached Cable, MID, 4G Module)

## Benefits and features

Schneider Electric launches a new cost-effective solution, Schneider Charge Pro, made for corporate car electrification at home and charging infrastructure deployment at apartment building. Our new robust and open solution enables:

- Simplified home reimbursement
- Comfort for residents
- Little to no power supply disruption
- Management multiple EV loads in real time

Schneider Charge Pro is commissioned with eSetup Mobile App through Wi-Fi access point mode from the charger itself. It consists of configuring the electrical settings, the energy management, the network settings and the supervision settings.

Schneider Charge has a LED in the front face, indicating the different status of the charger. It is protected against over voltage, over current, over temperature and it has an internal 6 mA DC residual current protection.

It supports load management via the Linky meter in France, via an anti-tripping module and via DSO NO input.

It has 2 Ethernet ports, supporting both star and daisy chain topology, a Wifi module and in some references a 4G embedded module, with one SIM card slot. It embeds OCPP1.6JSON protocol to connect with supervision system (CSMS), and supports local and CSMS authentication mode.

## Contents

### Enhancements:

- The charging station's implementation of OCPP1.6 JSON has been certified by Open Charge Alliance (OCA).
- ISO15118 feature is deactivated by default.
  - 1) For the charging stations that are already in an activated state, after upgrading to version 3.3.2, the ISO15118 feature will remain in the activated state unchanged. However, after a back to factory, the status changes to the default "deactivated".
  - 2) For charging stations that have already been updated to version 3.3.2 or later at the factory, ISO15118 feature is by default deactivated.
- Voltage MeterValue for each phases have been added on OCPP1.6J messages. This will be active after a Back to Factory or an OCPP change configuration
- When the OCPP standard key "WebSocketPingInterval" is set, the charging station replies with "RebootRequired", and this parameter will take effect only after a reboot of the charger.

### Fixed bugs:

- Commissioning: the charger will fallback to the default IP address when the DHCP server is not available, instead of dynamic IP address from DHCP server.
- When connecting to the network via cellular modem, the charging station will be able to connect to the ECCT by accepting the manual setting of the IP address.
- For two badges under the same ParentIdTag, if one badge initiates the charging process, the other badge will also be able to stop the charging session.
- In any scenario of the Supervision mode, the charging station will only report the Transaction.end message at the end of the transaction.
- In some specific conditions, if an action disconnects the charger from the CSMS platform, it will not block other OCPP messages.
- 4 scenarios depending on the url and password:
  - 1) For URL starting with "ws" without password, the security profile will be changed to 0
  - 2) For URL starting with "ws" with password, the security profile will be changed to 1
  - 3) For URL starting with "wss" without password, the security profile will be changed to 0
  - 4) For URL starting with "wss" with password, the security profile will be changed to 2
- The Ethernet settings will now be considered immediately instead of being considered after reboot.
- The hostname in SSDP for ECCT is now defined to ChargePro-SerialNumber instead of unknown CPID.
- When eSetup tries to get productconfiguration via the WIFI connection, the IP address will now display the actual IP address of the WIFI connection, instead of 0.0.0.0.
- Following issues have been corrected.

- 1) Charge Pro will now report "Other" in StatusNotification for control pilot signal fault, instead of "EV disconnection",
  - 2) Charge Pro will now report "Remote" for the remote stop transaction, instead of "Other".
- The charging station will now allow to set OCPPEnable to False through OCPP and reply to "RebootRequired", instead of "Rejected".
  - It is now possible in free charging mode to stop charging from EV side, whereas it was possible before to stop with any badges.
  - The maximum length of the Box ID is now 48 characters, instead of 50 characters.
  - ICCID will be included in BootNotification.

## Known Issues

- The charge station accepted but did not reply to TriggerMessage through StatusNotification when online again.
- In rare occasion, after activating the WIFI AP, eSetup experienced the situation where WIFI AP is visible but can connect to eSetup. It needs to be rebooted to recover.
- After change the charging current value through OCPP before starting a charging session, the Current.Offered value in Transaction.begin, is sometimes incorrect.
- "A LocalListConflict" error code may occasionally appear during local authorization list updates. This behavior does not affect normal operation."

## Limitations

## Other resources

- Installation guide: [Schneider Charge Pro Installation Guide](#)
- Commissioning guide: [Schneider Charge Pro Commissioning Guide](#)
- OCPP connectivity guide: [Schneider Charge Pro OCPP Protocol Connectivity Guide](#)
- Modbus connectivity guide: [Schneider Charge Pro Modbus Connectivity Guide](#)
- Cybersecurity guide: [Schneider Charge Pro Cybersecurity Guide](#)
- Software packages: [Schneider Charge Pro - Software and firmware](#)
- eSetup mobile application (Android): [eSetup for Electrician - Apps on Google Play](#)
- eSetup mobile application (iOS): [eSetup for Electrician on the App Store](#)