Android/iOS v1.13.0
FW v1.13

To get the latest features and bug fixes, please update your charger's firmware and Android/iOS app to latest version (v1.13.0)

Improvements

- *DLB and phase balancing improvement*

Changed how charging station reacts to single phase EV being connected.
If vehicle charges using 1Ph even if 3Ph charging is allowed, TeltoCharge will change to single phase charging mode.

Phase will be selected according to these rules:
- *If "Use preffered phase" will be enabled, it will use preffered phase.*
- *If "Use preffered phase" is disabled EVSE will choose phase, that is least loaded.*

- Troubleshoot file improvements

From this FW version, TeltoCharge will save some of the main parameters in TS file everytime charging session is started or error occured. Feature will provide better flexibility in cases where technical support will be needed.

- OCPP custom configuration key "Charge point identity"

From this FW version, we have added custom configuration key, which allows to change charge point identity: CSMSWebSocketId

ID might be as long as 1-100 symbols.

After applying new setting additional reboot command must be sent. If the connection is not established after a reboot and 5 mins, it will return to the old "Charge point identity" value.

Improvements

- OCPP RandomDelayActive improvement

From this FW version, ability to view duration of applied randomized delay via OCPP log was added.

- New energy meter support

From this FW version, TeltoCharge supports communication with Eastron SDM72CTM and Chint DTSU666-CT energy meters.

Important note: When using CT clamps to measure present current it is required to enter precise ratio value of used clamps in the energy meter settings.

- "Phase connected" setting for EVC16

From this FW version, EVC16 products will allow users to connect their product to three phase systems and select which one (L1, L2 or L3) have to be used.

New Features

- FailSafe mode implemented

To ease charging process while applying Dynamic Load Management feature, we have implemented new mode which will allow charging to continue after connectivity issues would be noticed. FailSafe value have to be set in the mobile application settings

- If the primary device loses communication with the energy meter, but the connection with the secondary devices is good, all devices can charge at the value of the failsafe current set in primary device setup. In this case the max group load and max grid load settings are not taken into account, so installer has to setup failsafe current for the devices very carefully.
- If the primary device has communication with energy meter, but loses communication to at least one secondary device, the charging current is reserved from the available amps by the failsafe current on all 3 phases. For every secondary device, that the communication is lost, the primary device reserves current. So in a case where the installer sets more devices than there actually are (or device address or other parameters are not correct), the total current to distribute will be significantly lower.
- If secondary device loses communication with the master, it will charge with the failsafe current and charge type based on the setup for indefinite time. This means that device will not have to get permission from the primary device and will start charging as soon as the EV is connected.

Fixes & Minor improvements

APP

- *Performance optimization*
- *Settings handling improvements*

FW

- *Minor optimization*
- *Troubleshoot file improvements - automatic save*
- *New Modbus RTU register - Total energy usage*

Wiki page:

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