VersiCharge AC Series Firmware Release Notes

Product Information

09/2023
A5E51137890-AA

Legal information

Warning notice system

This manual contains notices you have to observe to ensure your personal safety, as well as to prevent damage to property. The notices referring to your personal safety are highlighted in the manual by a safety alert symbol, notices referring only to property damage have no safety alert symbol. These notices shown below are graded according to the degree of danger.

⚠ **DANGER**
indicates that death or severe personal injury **will** result if proper precautions are not taken.

⚠ **WARNING**
indicates that death or severe personal injury **may** result if proper precautions are not taken.

⚠ **CAUTION**
indicates that minor personal injury can result if proper precautions are not taken.

NOTICE
indicates that property damage can result if proper precautions are not taken.

If more than one degree of danger is present, the warning notice representing the highest degree of danger will be used. A notice warning of injury to persons with a safety alert symbol may also include a warning relating to property damage.

Qualified Personnel

The product/system described in this documentation may be operated only by **personnel qualified** for the specific task in accordance with the relevant documentation, in particular its warning notices and safety instructions. Qualified personnel are those who, based on their training and experience, can identify risks and avoid potential hazards when working with these products/systems.

Proper use of Siemens products

Note the following:

⚠ **WARNING**
Siemens products may only be used for the applications described in the catalog and in the relevant technical documentation. If products and components from other manufacturers are used, these must be recommended or approved by Siemens. Proper transport, storage, installation, assembly, commissioning, operation and maintenance are required to ensure that the products operate safely and without any problems. The permissible ambient conditions must be complied with. The information in the relevant documentation must be observed.

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Disclaimer of Liability

We have reviewed the contents of this publication to ensure consistency with the hardware and software described. Since variance cannot be precluded entirely, we cannot guarantee full consistency. However, the information in this publication is reviewed regularly and any necessary corrections are included in subsequent editions.

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VersiCharge AC Series A8 Firmware

1.1 General information

Units from factory might be shipped with former firmware versions and require a connection to the Siemens Device Management to receive this firmware updates.

1.2 Base Version: 2.130.32

Release Date: 13-September-2023

Supported Hardware:

- **VersiCharge Gen 3 IEC with MID meter**
  - **32A 3-phase Commercial**
    - 8EM1310-3EJ04-0GA0; 8EM1310-3EH04-0GA0; 8EM1310-3EJ04-3GA1; 8EM1310-3EH04-3GA1; 8EM1310-3EN04-0GA0; 8EM1310-3EN04-3GA1; 8EM1310-3EN04-3GA2; 8EM1310-2EJ04-3GA2; 8EM1310-2EH04-3GA2
  - **32A 1-phase Commercial**
    - 8EM1310-2EJ04-0GA0; 8EM1310-2EH04-0GA0; 8EM1310-2EJ04-3GA1; 8EM1310-2EH04-3GA1; 8EM1310-2EH04-3GA2; 8EM1310-3EJ04-3GA2; 8EM1310-2EN04-0GA0; 8EM1310-2EN04-3GA1; 8EM1310-2EN04-3GA2
  - **32A Shutter**
    - 8EM1310-2EN04-0GA0; 8EM1310-2EN04-3GA1; 8EM1310-3EN04-0GA0; 8EM1310-3EN04-3GA1; 8EM1310-2EN04-3GA2; 8EM1310-3EN04-3GA2
  - **16 A 3-phase residential**
    - 8EM1312-1BL04-0AA0; 8EM1312-1BJ04-0AA0

- **VersiCharge Gen 3 UL**
  - **40A plug-in and hardwire Residential**
    - 8EM1312-4CF18-0FA3; 8EM1312-5CF18-0FA3
  - **40A Commercial**
    - 8EM1310-4CF14-1GA2; 8EM1310-4CF14-0GA0
  - **48A Commercial**
    - 8EM1310-5CF14-1GA2; 8EM1310-5CF14-0GA0; 8EM1310-5CG14-1GA2; 8EM1314-5CG18-0FA3; 8EM1314-5CG14-2FA2; 8EM15-5CG14-1GA2; 8EM15-5CG14-0GA0; 8EM1317-5CG14-1GA2

New Features:

- EMOB-1467 Further improved connectivity between communications and safety processors
- EMOB-2359 Improved Modbus RTU reliability
- VC3-2489 improved Wi-Fi connectivity reliability
- VC3-2351 redundancy in FW version name reported removed
- OCPP
  - EMOB-2051 improved default configuration keys

Resolved Issues:

- VC3-514/EMOB-1792 Cellular strength now displayed based on 4G parameters
- Modbus
    - VC3-2472 Modbus rounding error removed on current reported
- OCPP
    - VC3-2371 Energy data no longer missing from VersiCloud for ERK models

Known Issues:

- VC3-2589 Erratic connectivity in firewalls where Google DNS is blocked
- VC3-2491 Freevend Charger in pause state: unable to un-pause when charger is offline
- VC3-2464 When RFID is enabled on a charger either via SiFinity Go, VersiCloud, or OCPP, it shall not be used for the first 60 seconds
- VC3-2399 RFID disable/enable stops working after the charger is moved from OCPP to non ocpp group.
- VC3-2243 Time synchronization does not work properly when Siemens IEC SIM card is utilized.
- VC3-1929 3-phase active power calculation is incorrect.
- VC3-1989 charging does not resume consistently after a power cycle when set in freevend mode
- VC3-1927 UL variants: EVSE continues charging for up to 10 minutes after a power cycle triggered during a charging session, even if authentication is configured to be required
- VC3-1356 Wrong meter values detected in App and VersiCloud
- VC3-1972 Incorrect maximum current rating for chargers shown in VersiCloud
- VC3-2600 No Logs in Rapid 7 IEC instance
- Modbus:
    - VC3-2466 Fallback current and fallback time are not persistent in case of a power failure, need to be reprogrammed
    - VC3-2597 Modbus TCP via Ethernet may loose connectivity
- OCPP:
    - VC3-1994 After RemoteStop, the charging is stopped and if the connector is still plugged in, it starts charging again and no ocpp logs
    - VC3-2416 Trigger message - metervalues (outside the charging session) are reporting from the previous charging session

- VC3-1704 Charger accepts any random value sent for the MeterValueSampleData and does not send the tx related related messages
- VC3-2398 Smart Charging commands not accepted in Freevend mode
- VC3-464/1678 ChangeAvailability to Unavailable does not preclude charging
- VC3-2134 offered current and power reported to ocpp server are also 0 in v19 commercial IEC chargers
- VC3-1698 SecurityProfile configuration key for change to profile 1 not supported
- VC3-1822 Energy.Active.Import.Register values & MeterStart values not aligned
- VC3-1823 GetDiagnostics upload failure
- VC3-1903 Offline sessions are not reported when the charger returns to being online
- VC3-1988 Message responses are delayed
- VC3-1987 StatusNotification Finishing is sent before RemoteStopTransaction is accepted
- VC3-1360 When a charging session is stopped via RFID or RemoteStopTransaction, the charging LED stays on
- (UL variants only) Failure to report a port transition from unplugged to re-plugged:
  - If re-plugged within 10 seconds when the StopTransactionOnEvSideDisconnect flag is set to TRUE
  - in all cases in which StopTransactionOnEvSideDisconnect is set to FALSE

Known Limitations:

- Bluetooth interface not functional.
- ISO15118 interface not functional.
- OCPP 1.6J protocol not support Smart Charging Profile in Freevend mode.

1.3 Base Version: 2.128.24

Release Date: 2-August-2023

Supported Hardware:

- **VersiCharge Gen 3 IEC with MID meter**
  - **32A 3-phase Commercial**
    - 8EM1310-3EJ04-0GA0; 8EM1310-3EH04-0GA0; 8EM1310-3EJ04-3GA1; 8EM1310-3EH04-3GA1; 8EM1310-3EN04-0GA0; 8EM1310-3EN04-3GA1; 8EM1310-3EN04-3GA2; 8EM1310-2EJ04-3GA2; 8EM1310-2EH04-3GA2

- **32A 1-phase Commercial**

▪ 8EM1310-2EJ04-0GA0; 8EM1310-2EH04-0GA0; 8EM1310-2EJ04-3GA1; 8EM1310-2EH04-3GA1; 8EM1310-2EH04-3GA2; 8EM1310-3EJ04-3GA2; 8EM1310-2EN04-0GA0; 8EM1310-2EN04-3GA1; 8EM1310-2EN04-3GA2

- **32A Shutter**

▪ 8EM1310-2EN04-0GA0; 8EM1310-2EN04-3GA1; 8EM1310-3EN04-0GA0; 8EM1310-3EN04-3GA1; 8EM1310-2EN04-3GA2; 8EM1310-3EN04-3GA2

- **32 A 3-phase ERK**

▪ 8EM1310-3FH04-0GA0; 8EM1310-3FH04-3GA2; 8EM1310-3FH04-3GA1; 8EM1310-3FJ04-0GA0; 8EM1310-3FJ04-3GA2; 8EM1310-3FJ04-3GA1

- **16 A 3-phase residential**

▪ 8EM1312-1BL04-0AA0; 8EM1312-1BJ04-0AA0

- **VersiCharge Gen 3 UL**
- **40A plug-in and hardwire Residential**

▪ 8EM1312-4CF18-0FA3; 8EM1312-5CF18-0FA3

- **40A Commercial**

▪ 8EM1310-4CF14-1GA2; 8EM1310-4CF14-0GA0

- **48A Commercial**

▪ 8EM1310-5CF14-1GA2; 8EM1310-5CF14-0GA0; 8EM1310-5CG14-1GA2; 8EM1314-5CG18-0FA3; 8EM1314-5CG14-2FA2; 8EM15-5CG14-1GA2; 8EM15-5CG14-0GA0; 8EM1317-5CG14-1GA2

New Features:

- VC3-2281 Wi-Fi Watchdog improved.
- VC3-2254 Metering precision improved.
- EMOB-1384 Delay button functionality removed.
- EMOB-1467 Improved connectivity between communications and safety processors
- VERCHGTL-694 Pause command removed from Modbus register map, simplify smart charging
- VERCHGTL-562 Indication of Firmware tampering error

Resolved Issues:

- VC3-2230 Ethernet Watchdog fixed.
- VERCHGTL-763 Low and medium cellular/Wi-Fi network strength incorrectly no longer reported as Good.
- VC3-2223 Modbus RTU child address retained after firmware update.
- VC3-2044 When the charger is offline, RFID is now accepted after a power cycle.
- VC3-2091 RFID cards now trigger a response after 30 minutes

- VC3-2336 RFID cards now working after firmware upgrade
- VC3-454 Interval between RFID taps should no longer be at least 2 seconds.
- VC3-1975 no longer relevant, delay button removed.
- OCPP
    - VC3-1787 No Start/Stop Transaction and MeterValues in FreeVend Mode
    - VC3-2202 Suspended EVSE is now inconsistent

Known Issues:

- VC3-2589 Erratic connectivity in firewalls where Google DNS is blocked
- VC3-2491 Freevend Charger in pause state: unable to un-pause when charger is offline
- VC3-2464 When RFID is enabled on a charger either via SiFinity Go, VersiCloud, or OCPP, it shall not be used for the first 60 seconds
- EMOB-1792 Cellular strength displayed based on 3G network, not 4G
- VC3-2399 RFID disable/enable stops working after the charger is moved from OCPP to non ocpp group.
- VC3-2243 Time synchronization does not work properly when Siemens IEC SIM card is utilized.
- VC3-1929 3-phase active power calculation is incorrect.
- VC3-1989 charging does not resume consistently after a power cycle when set in freevend mode
- VC3-1927 UL variants: EVSE continues charging for up to 10 minutes after a power cycle triggered during a charging session, even if authentication is configured to be required
- VC3-1356 Wrong meter values detected in App and VersiCloud
- VC3-1972 Incorrect maximum current rating for chargers shown in VersiCloud
- Modbus:
    - VC3-2466 Fallback current and fallback time are not persistent in case of a power failure, need to be reprogrammed
- OCPP:
    - VCR-1994 After RemoteStop, the charging is stopped and if the connector is still plugged in, it starts charging again and no ocpp logs
    - VC3-2416 Trigger message - metervalues (outside the charging session) are reporting from the previous charging session

- VC3-1704 Charger accepts any random value sent for the MeterValueSampleData and does not send the tx related related messages
- VC3-2398 Smart Charging commands not accepted in Freevend mode
- VC3-464 ChangeAvailability to Unavailable does not preclude charging
- VC3-2134 offered current and power reported to ocpp server are also 0 in v19 commercial IEC chargers
- VC3-1698 SecurityProfile configuration key for change to profile 1 not supported
- VC3-1822 Energy.Active.Import.Register values & MeterStart values not aligned
- VC3-1823 GetDiagnostics upload failure
- VC3-1903 Offline sessions are not reported when the charger returns to being online
- VC3-1988 Message responses are delayed
- VC3-1987 StatusNotification Finishing is sent before RemoteStopTransaction is accepted
- VC3-1360 When a charging session is stopped via RFID or RemoteStopTransaction, the charging LED stays on
- (UL variants only) Failure to report a port transition from unplugged to re-plugged:
  - If re-plugged within 10 seconds when the StopTransactionOnEvSideDisconnect flag is set to TRUE
  - in all cases in which StopTransactionOnEvSideDisconnect is set to FALSE

Known Limitations:

- UL hardware: only one client is supported per Wi-Fi parent.
- Bluetooth interface not functional.
- ISO15118 interface not functional.
- OCPP 1.6J protocol does not fully support Smart Charging Profile.

1.4 Base Version: 2.126.17

Release Date: 28-June-2023

Supported Hardware:

- **VersiCharge Gen 3 IEC with MID meter**
  - **32A 3-phase Commercial**

- 8EM1310-3EJ04-0GA0; 8EM1310-3EH04-0GA0; 8EM1310-3EJ04-3GA1; 8EM1310-3EH04-3GA1; 8EM1310-3EN04-0GA0; 8EM1310-3EN04-3GA1; 8EM1310-3EN04-3GA2; 8EM1310-2EJ04-3GA2; 8EM1310-2EH04-3GA2

  - **32A 1-phase Commercial**

- 8EM1310-2EJ04-0GA0; 8EM1310-2EH04-0GA0; 8EM1310-2EJ04-3GA1; 8EM1310-2EH04-3GA1; 8EM1310-2EH04-3GA2; 8EM1310-3EJ04-3GA2; 8EM1310-2EN04-0GA0; 8EM1310-2EN04-3GA1; 8EM1310-2EN04-3GA2

  - **32A Shutter**

- 8EM1310-2EN04-0GA0; 8EM1310-2EN04-3GA1; 8EM1310-3EN04-0GA0; 8EM1310-3EN04-3GA1; 8EM1310-2EN04-3GA2; 8EM1310-3EN04-3GA2

- **VersiCharge Gen 3 UL**
  - **40A plug-in and hardwire Residential**

- 8EM1312-4CF18-0FA3; 8EM1312-5CF18-0FA3

  - **40A Commercial**

- 8EM1310-4CF14-1GA2; 8EM1310-4CF14-0GA0

  - **48A Commercial**

- 8EM1310-5CF14-1GA2; 8EM1310-5CF14-0GA0; 8EM1310-5CG14-1GA2; 8EM1314-5CG18-0FA3; 8EM1314-5CG14-2FA2; 8EM1317-5CG14-1GA2

New Features:

- VERCHGTL-521 Undervoltage protection removed, avoiding nuisance tripping.

Resolved Issues:

- VC3-2099 IP address displayed on VersiCloud corrected
- VC3-1927 IEC variants: EVSE no longer continues charging for up to 10 minutes after a power cycle triggered during a charging session, even if authentication is configured to be required
- VC3-2207 IP Addresses now shown in VersiCloud in cellular units that use the Siemens MVNO SIM card.
- OCPP
    - VC3-1292 Power Loss now reported correctly after a power restart
    - VC3-1756 Wrong idTag Sent in Start Transaction when Freevend is TRUE
    - VC3-1784 Smart Charging now accepts 0A and 0W settings when authentication is in place
    - VC3-2202 Suspended EVSE is inconsistent
    - VC3-1627 GetCompositeSchedule inconsistent behavior
    - VC3-1679 inoperative command sent while charging no longer ignored
    - VC3-1701 Boot Notification now include also meterType and the chargePointModel field is the MLFB
    - VC3-2137 measurands configuration is now preserved after a power cycle

Known Issues:

- VC3-2589 Erratic connectivity in firewalls where Google DNS is blocked
- VC3-2399 RFID disable/enable stops working after the charger is moved from OCPP to non ocpp group.
- VC3-2091 RFID cards trigger no response after 30 minutes
- VC3-2336 RFID cards not working after firmware upgrade
- VC3-2243 Time synchronization does not work properly when Siemens IEC SIM card is utilized.

- VC3-2230 Ethernet interface does not reconnect automatically in case there is an interruption to the connection
- VC3-2044 When the charger is offline, RFID is not accepted after a power cycle
- VC3-2223 Modbus RTU child address incorrect after firmware update, needs to be manually restored.
- VERCHGTL-763 Low and medium cellular/Wi-Fi network strength incorrectly reported as Good.
- VC3-1929 3-phase active power calculation is incorrect.
- VC3-1989 charging does not resume consistently after a power cycle when set in freevend mode
- VC3-1927 UL variants: EVSE continues charging for up to 10 minutes after a power cycle triggered during a charging session, even if authentication is configured to be required
- VC3-1356 Wrong meter values detected in App and VersiCloud
- VC3-454 Interval between RFID taps should be at least 2 seconds
- VC3-1975 when OCPP is not used and RFID moves from enabled to disabled, the delay button is not operative
- VC3-1972 Incorrect maximum current rating for chargers shown in VersiCloud
- Modbus:
    - None
- OCPP:
    - VCR-1994 After RemoteStop, the charging is stopped and if the connector is still plugged in, it starts charging again and no ocpp logs
    - VC3-1787 No Start/Stop Transaction and MeterValues in FreeVend Mode
    - VC3-2416 Trigger message - metervalues (outside the charging session) are reporting from the previous charging session

- VC3-1704 Charger accepts any random value sent for the MeterValueSampleData and does not send the tx related related messages
- VC3-2398 Smart Charging commands not accepted in Freevend mode
- VC3-464 ChangeAvailability to Unavailable does not preclude charging
- VC3-2134 offered current and power reported to ocpp server are also 0 in v19 commercial IEC chargers
- VC3-1698 SecurityProfile configuration key for change to profile 1 not supported
- VC3-1822 Energy.Active.Import.Register values & MeterStart values not aligned
- VC3-1823 GetDiagnostics upload failure
- VC3-1903 Offline sessions are not reported when the charger returns to being online
- VC3-1988 Message responses are delayed
- VC3-1987 StatusNotification Finishing is sent before RemoteStopTransaction is accepted
- VC3-1360 When a charging session is stopped via RFID or RemoteStopTransaction, the charging LED stays on
- (UL variants only) Failure to report a port transition from unplugged to re-plugged:
  - If re-plugged within 10 seconds when the StopTransactionOnEvSideDisconnect flag is set to TRUE
  - in all cases in which StopTransactionOnEvSideDisconnect is set to FALSE

Known Limitations:

- UL hardware: only one client is supported per Wi-Fi parent
- Bluetooth interface not functional
- ISO15118 interface not functional
- OCPP 1.6J protocol does not fully support Smart Charging Profile

1.5 Base Version: 2.124.26

Release Date: 11-Jul-2023

Supported Hardware:

- **VersiCharge Gen 3 IEC with MID meter**
  - **32A 3-phase Commercial**
    - 8EM1310-3EJ04-0GA0; 8EM1310-3EH04-0GA0; 8EM1310-3EJ04-3GA1; 8EM1310-3EH04-3GA1; 8EM1310-3EN04-0GA0; 8EM1310-3EN04-3GA1; 8EM1310-3EN04-3GA2; 8EM1310-2EJ04-3GA2; 8EM1310-2EH04-3GA2
  - **32A 1-phase Commercial**
    - 8EM1310-2EJ04-0GA0; 8EM1310-2EH04-0GA0; 8EM1310-2EJ04-3GA1; 8EM1310-2EH04-3GA1; 8EM1310-2EH04-3GA2; 8EM1310-3EJ04-3GA2; 8EM1310-2EN04-0GA0; 8EM1310-2EN04-3GA1; 8EM1310-2EN04-3GA2
  - **32A Shutter**
    - 8EM1310-2EN04-0GA0; 8EM1310-2EN04-3GA1; 8EM1310-3EN04-0GA0; 8EM1310-3EN04-3GA1; 8EM1310-2EN04-3GA2; 8EM1310-3EN04-3GA2
- **VersiCharge Gen 3 UL**
  - **40A plug-in and hardwire Residential**
    - 8EM1312-4CF18-0FA3; 8EM1312-5CF18-0FA3
  - **40A Commercial**
    - 8EM1310-4CF14-1GA2; 8EM1310-4CF14-0GA0
  - 48A Commercial
    - 8EM1310-5CF14-1GA2; 8EM1310-5CF14-0GA0; 8EM1310-5CG14-1GA2; 8EM1314-5CG18-0FA3; 8EM1314-5CG14-2FA2

New Features:

- None

Resolved Issues:

- OCPP
  - VC3-1787 No Start/Stop Transaction and MeterValues in FreeVend Mode

Known Issues:

- VC3-2589 Erratic connectivity in firewalls where Google DNS is blocked
- VC3-2336 RFID cards not working after firmware upgrade
- VC3-2091 RFID cards trigger no response after 30 minutes

- VC3-2243 Time synchronization does not work properly when Siemens IEC SIM card is utilized.
- VC3-2230 Ethernet interface does not reconnect automatically in case there is an interruption to the connection
- VC3-2207 IP Addresses no longer shown in VersiCloud in cellular units that use the Siemens MVNO SIM card.
- VC3-2044 When the charger is offline, RFID is not accepted after a power cycle
- VC3-2223 Modbus RTU child address incorrect after firmware update, needs to be manually restored.
- VERCHGTL-763 Low and medium cellular/Wi-Fi network strength incorrectly reported as Good.
- VC3-1929 3-phase power calculation is incorrect.
- VC3-1989 charging does not resume consistently after a power cycle when set in freevend mode
- VC3-1927 EVSE continues charging for up to 10 minutes after a power cycle triggered during a charging session, even if authentication is configured to be required
- VC3-1356 Wrong meter values detected in App and VersiCloud
- VC3-454 Interval between RFID taps should be at least 2 seconds
- VC3-1975 when OCPP is not used and RFID moves from enabled to disabled, the delay button is not operative
- VC3-1972 Incorrect maximum current rating for chargers shown in VersiCloud
- Modbus:
    - None
- OCPP:
    - VCR-1994 After RemoteStop, the charging is stopped and if the connector is still plugged in, it starts charging again and no ocpp logs
    - VC3-2416 Trigger message - metervalues (outside the charging session) are reporting from the previous charging session

- VC3-1704 Charger accepts any random value sent for the MeterValueSampleData and does not send the tx related related messages
- VC3-1292 Power Loss not reported correctly after a power restart
- VC3-464 ChangeAvailability to Unavailable does not preclude charging
- VC3-2134 offered current and power reported to ocpp server are also 0 in v19 commercial IEC chargers
- VC3-2137 measurands configuration is not preserved after a power cycle
- VC3-1627 GetCompositeSchedule inconsistent behavior
- VC3-1698 SecurityProfile configuration key for change to profile 1 not supported
- VC3-1822 Energy.Active.Import.Register values & MeterStart values not aligned
- VC3-1823 GetDiagnostics upload failure
- VC3-1903 Offline sessions are not reported when the charger returns to being online
- VC3-1988 Message responses are delayed
- VC3-1784 Smart Charging does not accept 0A or 0W settings
- VC3-1987 StatusNotification Finishing is sent before RemoteStopTransaction is accepted
- VC3-1360 When a charging session is stopped via RFID or RemoteStopTransaction, the charging LED stays on
- BootNotification: meterType missing, and chargePointModel lacking MLFB details
- (UL variants only) Failure to report a port transition from unplugged to re-plugged:
  - If re-plugged within 10 seconds when the StopTransactionOnEvSideDisconnect flag is set to TRUE
  - in all cases in which StopTransactionOnEvSideDisconnect is set to FALSE

Known Limitations:

- UL hardware: only one client is supported per Wi-Fi parent
- Bluetooth interface not functional
- ISO15118 interface not functional
- OCPP 1.6J protocol does not fully support Smart Charging Profile

1.6 Base Version: 2.124.24

Release Date: 26-May-2023

Supported Hardware:

- **VersiCharge Gen 3 IEC with MID meter**
  - **32A 3-phase Commercial**
    - 8EM1310-3EJ04-0GA0; 8EM1310-3EH04-0GA0; 8EM1310-3EJ04-3GA1; 8EM1310-3EH04-3GA1; 8EM1310-3EN04-0GA0; 8EM1310-3EN04-3GA1; 8EM1310-3EN04-3GA2; 8EM1310-2EJ04-3GA2; 8EM1310-2EH04-3GA2
  - **32A 1-phase Commercial**
    - 8EM1310-2EJ04-0GA0; 8EM1310-2EH04-0GA0; 8EM1310-2EJ04-3GA1; 8EM1310-2EH04-3GA1; 8EM1310-2EH04-3GA2; 8EM1310-3EJ04-3GA2; 8EM1310-2EN04-0GA0; 8EM1310-2EN04-3GA1; 8EM1310-2EN04-3GA2
  - **32A Shutter**
    - 8EM1310-2EN04-0GA0; 8EM1310-2EN04-3GA1; 8EM1310-3EN04-0GA0; 8EM1310-3EN04-3GA1; 8EM1310-2EN04-3GA2; 8EM1310-3EN04-3GA2
- **VersiCharge Gen 3 UL**
  - **40A plug-in and hardwire Residential**
    - 8EM1312-4CF18-0FA3; 8EM1312-5CF18-0FA3
  - **40A Commercial**
    - 8EM1310-4CF14-1GA2; 8EM1310-4CF14-0GA0
  - 48A Commercial
    - 8EM1310-5CF14-1GA2; 8EM1310-5CF14-0GA0; 8EM1310-5CG14-1GA2; 8EM1314-5CG18-0FA3; 8EM1314-5CG14-2FA2

New Features:

- None

Resolved Issues:

- Log management feature working also when firmware loaded over the air.

Known Issues:

- VC3-2589 Erratic connectivity in firewalls where Google DNS is blocked
- VC3-2336 RFID cards not working after firmware upgrade
- VC3-2091 RFID cards trigger no response after 30 minutes

- VC3-2243 Time synchronization does not work properly when Siemens IEC SIM card is utilized.
- VC3-2230 Ethernet interface does not reconnect automatically in case there is an interruption to the connection
- VC3-2207 IP Addresses no longer shown in VersiCloud in cellular units that use the Siemens MVNO SIM card.
- VC3-2044 When the charger is offline, RFID is not accepted after a power cycle
- VC3-2223 Modbus RTU child address incorrect after firmware update, needs to be manually restored.
- VERCHGTL-763 Low and medium cellular/Wi-Fi network strength incorrectly reported as Good.
- VC3-1929 3-phase power calculation is incorrect.
- VC3-1989 charging does not resume consistently after a power cycle when set in freevend mode
- VC3-1927 EVSE continues charging for up to 10 minutes after a power cycle triggered during a charging session, even if authentication is configured to be required
- VC3-1356 Wrong meter values detected in App and VersiCloud
- VC3-454 Interval between RFID taps should be at least 2 seconds
- VC3-1975 when OCPP is not used and RFID moves from enabled to disabled, the delay button is not operative
- VC3-1972 Incorrect maximum current rating for chargers shown in VersiCloud
- Modbus:
    - None
- OCPP:
    - VCR-1994 After RemoteStop, the charging is stopped and if the connector is still plugged in, it starts charging again and no ocpp logs
    - VC3-1787 No Start/Stop Transaction and MeterValues in FreeVend Mode
    - VC3-2416 Trigger message - metervalues (outside the charging session) are reporting from the previous charging session

- VC3-1704 Charger accepts any random value sent for the MeterValueSampleData and does not send the tx related related messages
- VC3-1292 Power Loss not reported correctly after a power restart
- VC3-464 ChangeAvailability to Unavailable does not preclude charging
- VC3-2134 offered current and power reported to ocpp server are also 0 in v19 commercial IEC chargers
- VC3-2137 measurands configuration is not preserved after a power cycle
- VC3-1627 GetCompositeSchedule inconsistent behavior
- VC3-1698 SecurityProfile configuration key for change to profile 1 not supported
- VC3-1822 Energy.Active.Import.Register values & MeterStart values not aligned
- VC3-1823 GetDiagnostics upload failure
- VC3-1903 Offline sessions are not reported when the charger returns to being online
- VC3-1988 Message responses are delayed
- VC3-1784 Smart Charging does not accept 0A or 0W settings
- VC3-1987 StatusNotification Finishing is sent before RemoteStopTransaction is accepted
- VC3-1360 When a charging session is stopped via RFID or RemoteStopTransaction, the charging LED stays on
- BootNotification: meterType missing, and chargePointModel lacking MLFB details
- (UL variants only) Failure to report a port transition from unplugged to re-plugged:
  - If re-plugged within 10 seconds when the StopTransactionOnEvSideDisconnect flag is set to TRUE
  - in all cases in which StopTransactionOnEvSideDisconnect is set to FALSE

Known Limitations:

- UL hardware: only one client is supported per Wi-Fi parent
- Bluetooth interface not functional
- ISO15118 interface not functional
- OCPP 1.6J protocol does not fully support Smart Charging Profile

1.7 Base Version: 2.124.19

Release Date: 19-Apr-2023

Supported Hardware:

- **VersiCharge Gen 3 IEC with MID meter**
  - **32A 3-phase Commercial**
    - 8EM1310-3EJ04-0GA0; 8EM1310-3EH04-0GA0; 8EM1310-3EJ04-3GA1; 8EM1310-3EH04-3GA1; 8EM1310-3EN04-0GA0; 8EM1310-3EN04-3GA1; 8EM1310-3EN04-3GA2; 8EM1310-2EJ04-3GA2; 8EM1310-2EH04-3GA2
  - **32A 1-phase Commercial**
    - 8EM1310-2EJ04-0GA0; 8EM1310-2EH04-0GA0; 8EM1310-2EJ04-3GA1; 8EM1310-2EH04-3GA1; 8EM1310-2EH04-3GA2; 8EM1310-3EJ04-3GA2; 8EM1310-2EN04-0GA0; 8EM1310-2EN04-3GA1; 8EM1310-2EN04-3GA2
  - **32A Shutter**
    - 8EM1310-2EN04-0GA0; 8EM1310-2EN04-3GA1; 8EM1310-3EN04-0GA0; 8EM1310-3EN04-3GA1; 8EM1310-2EN04-3GA2; 8EM1310-3EN04-3GA2
- **VersiCharge Gen 3 UL**
  - **40A plug-in and hardwire Residential**
    - 8EM1312-4CF18-0FA3; 8EM1312-5CF18-0FA3
  - **40A Commercial**
    - 8EM1310-4CF14-1GA2; 8EM1310-4CF14-0GA0
  - 48A Commercial
    - 8EM1310-5CF14-1GA2; 8EM1310-5CF14-0GA0; 8EM1310-5CG14-1GA2; 8EM1314-5CG18-0FA3; 8EM1314-5CG14-2FA2

New Features:

- VC-3 1542 3-phase chargers now can be powered from a 1-phase circuit for all chargers manufactured since December 2021
- VC3-1907 Improved cloud-stored logs
- VERCHGTL-429 Secure remote access to logs stored in the charger
- VC3-2083 Modbus register map improvements (see updated register map)
- VERCHGTL-718 Logs are now persistent after a power cycle

Resolved Issues:

- VC3-1898 Stop/Pause charging triggered from SiFinity Go app for chargers in Free vending mode now works
- VC3-1986 Maximum VersiCloud power is now retained
- OCPP

  - VC3-1284 Smart Charging Profiles behavior on 3-phase chargers now correct
  - VC3-1173 Improved Websocket connectivity
  - VC3-1162 Finishing status now sent consistently
- Modbus
  - VC3-1979 Incorrect 3-phase meter values
  - VC3-1849 3-phase active power information is incorrect
  - VC3-1991 Get/Set Maximum current is not working
  - VC3-1848 3-phase power factor information is incorrect

Known Issues:

- VC3-2589 Erratic connectivity in firewalls where Google DNS is blocked
- VC3-2336 RFID cards not working after firmware upgrade
- VC3-2091 RFID cards trigger no response after 30 minutes
- VC3-2243 Time synchronization does not work properly when Siemens IEC SIM card is utilized.
- When firmware is loaded over the air the log management feature may not work properly
- VC3-2230 Ethernet interface does not reconnect automatically in case there is an interruption to the connection
- VC3-2044 When the charger is offline, RFID is not accepted after a power cycle
- VC3-2207 IP Addresses no longer shown in VersiCloud in cellular units that use the Siemens MVNO SIM card
- VC3-2223 Modbus RTU child address incorrect after firmware update, needs to be manually restored.
- VERCHGTL-763 Low and medium cellular/Wi-Fi network strength incorrectly reported as Good.
- VC3-1929 3-phase power calculation is incorrect

- VC3-1989 charging does not resume consistently after a power cycle when set in freevend mode
- VC3-1927 EVSE continues charging for up to 10 minutes after a power cycle triggered during a charging session, even if authentication is configured to be required
- VC3-1356 Wrong meter values detected in App and VersiCloud
- VC3-454 Interval between RFID taps should be at least 2 seconds
- VC3-1975 when OCPP is not used and RFID moves from enabled to disabled, the delay button is not operative
- VC3-1972 Incorrect maximum current rating for chargers shown in VersiCloud
- Modbus:
    - None
- OCPP:
    - VCR-1994 After RemoteStop, the charging is stopped and if the connector is still plugged in, it starts charging again and no ocpp logs
    - VC3-1787 No Start/Stop Transaction and MeterValues in FreeVend Mode
    - VC3-2416 Trigger message - metervalues (outside the charging session) are reporting from the previous charging session

- VC3-1704 Charger accepts any random value sent for the MeterValueSampleData and does not send the tx related related messages
- VC3-1292 Power Loss not reported correctly after a power restart
- VC3-464 ChangeAvailability to Unavailable does not preclude charging
- VC3-2134 offered current and power reported to ocpp server are also 0 in v19 commercial IEC chargers
- VC3-2137 measurands configuration is not preserved after a power cycle
- VC3-1627 GetCompositeSchedule inconsistent behavior
- VC3-1698 SecurityProfile configuration key for change to profile 1 not supported
- VC3-1822 Energy.Active.Import.Register values & MeterStart values not aligned
- VC3-1823 GetDiagnostics upload failure
- VC3-1903 Offline sessions are not reported when the charger returns to being online
- VC3-1988 Message responses are delayed
- VC3-1784 Smart Charging does not accept 0A or 0W settings
- VC3-1987 StatusNotification Finishing is sent before RemoteStopTransaction is accepted
- VC3-1360 When a charging session is stopped via RFID or RemoteStopTransaction, the charging LED stays on
- BootNotification: meterType missing, and chargePointModel lacking MLFB details
- (UL variants only) Failure to report a port transition from unplugged to re-plugged:
  - If re-plugged within 10 seconds when the StopTransactionOnEvSideDisconnect flag is set to TRUE
  - in all cases in which StopTransactionOnEvSideDisconnect is set to FALSE

Known Limitations:

- UL hardware: only one client is supported per Wi-Fi parent
- Bluetooth interface not functional
- ISO15118 interface not functional
- OCPP 1.6J protocol does not fully support Smart Charging Profile

1.8 Base Version: 2.122.5

Release Date: 29-Mar-2023

Supported Hardware:

- **VersiCharge Gen 3 IEC with MID meter**
  - **32A 3-phase Commercial**
    - 8EM1310-3EJ04-0GA0; 8EM1310-3EH04-0GA0; 8EM1310-3EJ04-3GA1; 8EM1310-3EH04-3GA1; 8EM1310-3EN04-0GA0; 8EM1310-3EN04-3GA1; 8EM1310-3EN04-3GA2; 8EM1310-2EJ04-3GA2; 8EM1310-2EH04-3GA2
  - **32A 1-phase Commercial**
    - 8EM1310-2EJ04-0GA0; 8EM1310-2EH04-0GA0; 8EM1310-2EJ04-3GA1; 8EM1310-2EH04-3GA1; 8EM1310-2EH04-3GA2; 8EM1310-3EJ04-3GA2; 8EM1310-2EN04-0GA0; 8EM1310-2EN04-3GA1; 8EM1310-2EN04-3GA2
  - **Shutter**
    - 8EM1310-2EN04-0GA0; 8EM1310-2EN04-3GA1; 8EM1310-3EN04-0GA0; 8EM1310-3EN04-3GA1; 8EM1310-2EN04-3GA2; 8EM1310-3EN04-3GA2
  - **32 A 3-phase ERK**
    - 8EM1310-3FH04-0GA0; 8EM1310-3FH04-3GA2; 8EM1310-3FH04-3GA1; 8EM1310-3FJ04-0GA0; 8EM1310-3FJ04-3GA2; 8EM1310-3FJ04-3GA1
- **VersiCharge Gen 3 UL**
  - 40A plug-in and hardwire Residential
    - 8EM1312-4CF18-0FA3; 8EM1312-5CF18-0FA3
  - **40A Commercial**
    - 8EM1310-4CF14-1GA2; 8EM1310-4CF14-0GA0
  - 48A Commercial
    - 8EM1310-5CF14-1GA2; 8EM1310-5CF14-0GA0; 8EM1310-5CG14-1GA2; 8EM1314-5CG18-0FA3; 8EM1314-5CG14-2FA2

New Features:

- None

Resolved Issues:

- Persistent logs could cause chargers to lose connectivity permanently after several months of operation. Logs were made volatile.

Known Issues:

- VC3-2589 Erratic connectivity in firewalls where Google DNS is blocked
- VC3-2091 RFID cards trigger no response after 30 minutes

- VC3-2243 Time synchronization does not work properly when Siemens IEC SIM card is utilized.
- VC3-2230 Ethernet interface does not reconnect automatically in case there is an interruption to the connection
- VERCHGTL-763 Low and medium cellular/Wi-Fi network strength incorrectly reported as Good.
- VC3-1898 Stop/Pause charging triggered from SiFinity Go app for chargers in Free vending mode does not work
- VC3-1989 charging does not resume consist after a power cycle when set in freevend mode
- VC3-1927 EVSE continues charging for up to 10 minutes after a power cycle triggered during a charging session, even if authentication is configured to be required
- VC3-1356 Wrong meter values detected in App and VersiCloud
- VC3-454 Interval between RFID taps should be at least 2 seconds
- VC3-1986 Maximum VersiCloud power is not retained
- VC3-1975 when OCPP is not used and RFID moves from enabled to disabled, the delay button is not operative
- VC3-1972 Incorrect maximum current rating for chargers shown in VersiCloud
- Modbus:
    - VC3-1848 3-phase power factor information is incorrect
    - VC3-1991 Get/Set Maximum current is not working
    - VC3-1979 Incorrect 3-phase meter values
    - VC3-1849 3-phase active power information is incorrect
- OCPP:
    - VCR-1994 After RemoteStop, the charging is stopped and if the connector is still plugged in, it starts charging again and no ocpp logs
    - VC3-1787 No Start/Stop Transaction and MeterValues in FreeVend Mode
    - VC3-2416 Trigger message - metervalues (outside the charging session) are reporting from the previous charging session

- VC3-1704 Charger accepts any random value sent for the MeterValueSampleData and does not send the tx related related messages
- VC3-1292 Power Loss not reported correctly after a power restart
- VC3-464 ChangeAvailability to Unavailable does not preclude charging
- VC3-1284 Smart Charging Profiles incorrect behavior on 3-phase chargers
- VC3-1627 GetCompositeSchedule inconsistent behavior
- VC3-1698 SecurityProfile configuration key for change to profile 1 not supported
- VC3-1822 Energy.Active.Import.Register values & MeterStart values not aligned
- VC3-1823 GetDiagnostics upload failure
- VC3-1903 Offline sessions are not reported when the charger returns to being online
- VC3-1988 Message responses are delayed
- VC3-1784 Smart Charging does not accept 0A or 0W settings
- VC3-1987 StatusNotification Finishing is sent before RemoteStopTransaction is accepted
- VC3-1360 When a charging session is stopped via RFID or RemoteStopTransaction, the charging LED stays on
- BootNotification: meterType missing, and chargePointModel lacking MLFB details
- (UL variants only) Failure to report a port transition from unplugged to re-plugged:
  - If re-plugged within 10 seconds when the StopTransactionOnEvSideDisconnect flag is set to TRUE
  - in all cases in which StopTransactionOnEvSideDisconnect is set to FALSE

Known Limitations:

- UL hardware: only one client is supported per Wi-Fi parent
- Bluetooth interface not functional
- ISO15118 interface not functional
- OCPP 1.6J protocol does not fully support Smart Charging Profile

1.9 Base Version: 2.122.4

Release Date: 08-Mar-2023

Supported Hardware:

- **VersiCharge Gen 3 IEC with MID meter**
  - **32A 3-phase Commercial**
    - 8EM1310-3EJ04-0GA0; 8EM1310-3EH04-0GA0; 8EM1310-3EJ04-3GA1; 8EM1310-3EH04-3GA1; 8EM1310-3EN04-0GA0; 8EM1310-3EN04-3GA1; 8EM1310-3EN04-3GA2; 8EM1310-2EJ04-3GA2; 8EM1310-2EH04-3GA2
  - **32A 1-phase Commercial**
    - 8EM1310-2EJ04-0GA0; 8EM1310-2EH04-0GA0; 8EM1310-2EJ04-3GA1; 8EM1310-2EH04-3GA1; 8EM1310-2EH04-3GA2; 8EM1310-3EJ04-3GA2; 8EM1310-2EN04-0GA0; 8EM1310-2EN04-3GA1; 8EM1310-2EN04-3GA2
  - **Shutter**
    - 8EM1310-2EN04-0GA0; 8EM1310-2EN04-3GA1; 8EM1310-3EN04-0GA0; 8EM1310-3EN04-3GA1; 8EM1310-2EN04-3GA2; 8EM1310-3EN04-3GA2
  - **32 A 3-phase ERK**
    - 8EM1310-3FH04-0GA0; 8EM1310-3FH04-3GA2; 8EM1310-3FH04-3GA1; 8EM1310-3FJ04-0GA0; 8EM1310-3FJ04-3GA2; 8EM1310-3FJ04-3GA1
- **VersiCharge Gen 3 UL**
  - 40A plug-in and hardwire Residential
    - 8EM1312-4CF18-0FA3; 8EM1312-5CF18-0FA3
  - **40A Commercial**
    - 8EM1310-4CF14-1GA2; 8EM1310-4CF14-0GA0
  - 48A Commercial
    - 8EM1310-5CF14-1GA2; 8EM1310-5CF14-0GA0; 8EM1310-5CG14-1GA2; 8EM1314-5CG18-0FA3; 8EM1314-5CG14-2FA2

New Features:

- VC3-894 Modbus able to report EV charger states
- VCR-875 Factory Reset command added

Resolved Issues:

- VERCHGTL-427 Network configuration timeout increased to 300 seconds, dramatically reduced probability of commissioning issues and work in poor cellular strength environments for parent chargers
- OCPP:
    - VC3-1701 Boot Notification description fields no longer inconsistent
    - VC3-1817 OCPP interface no longer stuck at verbose logs
    - VC3-963 Boot notification has different fields at different times
- Modbus:
    - VC3-1840 Maximum Current set is no longer decreased by one ampere
    - VC3-1962 Error codes register fixed
    - VC3-1804 Range validation added to Modbus registers

Known Issues:

- VC3-2589 Erratic connectivity in firewalls where Google DNS is blocked
- VC3-2091 RFID cards trigger no response after 30 minutes

- VC3-2243 Time synchronization does not work properly when Siemens IEC SIM card is utilized.
- VERCHGTL-763 Low and medium cellular/Wi-Fi network strength incorrectly reported as Good.
- Persistent logs could cause chargers to lose connectivity permanently after several months of operation.
- VC3-1898 Stop/Pause charging triggered from SiFinity Go app for chargers in Free vending mode does not work
- VC3-1989 charging does not resume consist after a power cycle when set in freevend mode
- VC3-1927 EVSE continues charging for up to 10 minutes after a power cycle triggered during a charging session, even if authentication is configured to be required
- VC3-1356 Wrong meter values detected in App and VersiCloud
- VC3-454 Interval between RFID taps should be at least 2 seconds
- VC3-1986 Maximum VersiCloud power is not retained
- VC3-1975 when OCPP is not used and RFID moves from enabled to disabled, the delay button is not operative
- VC3-1972 Incorrect maximum current rating for chargers shown in VersiCloud
- Modbus:
    - VC3-1848 3-phase power factor information is incorrect
    - VC3-1991 Get/Set Maximum current is not working
    - VC3-1979 Incorrect 3-phase meter values
    - VC3-1849 3-phase active power information is incorrect
- OCPP:
    - VCR-1994 After RemoteStop, the charging is stopped and if the connector is still plugged in, it starts charging again and no ocpp logs
    - VC3-1787 No Start/Stop Transaction and MeterValues in FreeVend Mode
    - VC3-2416 Trigger message - metervalues (outside the charging session) are reporting from the previous charging session

- VC3-1704 Charger accepts any random value sent for the MeterValueSampleData and does not send the tx related related messages
- VC3-1292 Power Loss not reported correctly after a power restart
- VC3-464 ChangeAvailability to Unavailable does not preclude charging
- VC3-1284 Smart Charging Profiles incorrect behavior on 3-phase chargers
- VC3-1627 GetCompositeSchedule inconsistent behavior
- VC3-1698 SecurityProfile configuration key for change to profile 1 not supported
- VC3-1822 Energy.Active.Import.Register values & MeterStart values not aligned
- VC3-1823 GetDiagnostics upload failure
- VC3-1903 Offline sessions are not reported when the charger returns to being online
- VC3-1988 Message responses are delayed
- VC3-1784 Smart Charging does not accept 0A or 0W settings
- VC3-1987 StatusNotification Finishing is sent before RemoteStopTransaction is accepted
- VC3-1360 When a charging session is stopped via RFID or RemoteStopTransaction, the charging LED stays on
- BootNotification: meterType missing, and chargePointModel lacking MLFB details
- (UL variants only) Failure to report a port transition from unplugged to re-plugged:
  - If re-plugged within 10 seconds when the StopTransactionOnEvSideDisconnect flag is set to TRUE
  - in all cases in which StopTransactionOnEvSideDisconnect is set to FALSE

Known Limitations:

- UL hardware: only one client is supported per Wi-Fi parent
- Bluetooth interface not functional
- ISO15118 interface not functional
- OCPP 1.6J protocol does not fully support Smart Charging Profile

1.10 Base Version: 2.121

Release Date: 15-Feb-2023

Supported Hardware:

- **VersiCharge Gen 3 IEC with MID meter**
  - **32A 3-phase Commercial**
    - 8EM1310-3EJ04-0GA0; 8EM1310-3EH04-0GA0; 8EM1310-3EJ04-3GA1; 8EM1310-3EH04-3GA1; 8EM1310-3EN04-0GA0; 8EM1310-3EN04-3GA1; 8EM1310-3EN04-3GA2; 8EM1310-2EJ04-3GA2; 8EM1310-2EH04-3GA2
  - **32A 1-phase Commercial**
    - 8EM1310-2EJ04-0GA0; 8EM1310-2EH04-0GA0; 8EM1310-2EJ04-3GA1; 8EM1310-2EH04-3GA1; 8EM1310-2EH04-3GA2; 8EM1310-3EJ04-3GA2; 8EM1310-2EN04-0GA0; 8EM1310-2EN04-3GA1; 8EM1310-2EN04-3GA2
  - **Shutter**
    - 8EM1310-2EN04-0GA0; 8EM1310-2EN04-3GA1; 8EM1310-3EN04-0GA0; 8EM1310-3EN04-3GA1; 8EM1310-2EN04-3GA2; 8EM1310-3EN04-3GA2
  - **32 A 3-phase ERK**
    - 8EM1310-3FH04-0GA0; 8EM1310-3FH04-3GA2; 8EM1310-3FH04-3GA1; 8EM1310-3FJ04-0GA0; 8EM1310-3FJ04-3GA2; 8EM1310-3FJ04-3GA1

New Features:

- None

Resolved Issues:

- Network configuration timeout increased to 90 seconds, reduced probability of commissioning issues and work in poor cellular strength environments for parent chargers
- OCPP:
  - TxProfile no longer accepted without an ongoing transaction or with the wrong Transaction ID
  - TxDefaultProfile now changes the duty cycle
- When the Wi-Fi connection between parent and child is weak and the child loses connectivity a physical power cycle no longer necessary for connectivity to be restored

Known Issues:

- VC3-2589 Erratic connectivity in firewalls where Google DNS is blocked
- VC3-2091 RFID cards trigger no response after 30 minutes

- VC3-2243 Time synchronization does not work properly when Siemens IEC SIM card is utilized.
- Low and medium cellular/Wi-Fi network strength incorrectly reported as Good.
- Persistent logs could cause chargers to lose connectivity permanently after several months of operation.
- VC3-1898 Stop/Pause charging triggered from SiFinity Go app for chargers in Free vending mode does not work
- EVSE continues charging for up to 10 minutes after a power cycle triggered during a charging session, even if authentication is configured to be required
- Wrong meter values detected in App and VersiCloud
- HMI incorrectly reflects RFID status of charger (blue LED not on although RFID is enabled)
- Interval between RFID taps should be at least 2 seconds
- Maximum VersiCloud power is not retained
- Modbus:
    - Maximum Current set is decreased by one ampere
    - 3-phase meter information is incorrect
    - Get/Set Maximum current is not working
    - Incorrect 3-phase meter values in Modbus interface
- OCPP:
    - VCR-1994 After RemoteStop, the charging is stopped and if the connector is still plugged in, it starts charging again and no ocpp logs
    - VC3-1704 Charger accepts any random value sent for the MeterValueSampleData and does not send the tx related related messages
    - VC3-1787 No Start/Stop Transaction and MeterValues in FreeVend Mode
    - VC3-2416 Trigger message - metervalues (outside the charging session) are reporting from the previous charging session

- VC3-1704 Charger accepts any random value sent for the MeterValueSampleData and does not send the tx related related messages
- VC3-1292 Power Loss not reported correctly after a power restart
- VC3-464 ChangeAvailability to Unavailable does not preclude charging
- GetCompositeSchedule inconsistent behavior
- SecurityProfile configuration key for change to profile 1 not supported
- Energy.Active.Import.Register values & MeterStart values not aligned
- Power-based smart Charging Profiles incorrect behavior on 3-phase chargers
- GetDiagnostics upload failure
- Boot Notification description fields inconsistent
- Offline sessions are not reported when the charger returns to being online
- OCPP interface stuck at verbose logs
- Smart Charging does not accept 0A or 0W settings
- StatusNotification Finishing is sent before RemoteStopTransaction is accepted
- When a charging session is stopped via RFID or RemoteStopTransaction, the charging LED stays on
- (UL variants only) Failure to report a port transition from unplugged to re-plugged:
  - If re-plugged within 10 seconds when the StopTransactionOnEvSideDisconnect flag is set to TRUE
  - in all cases in which StopTransactionOnEvSideDisconnect is set to FALSE

Known Limitations:

- UL hardware: only one client is supported per Wi-Fi parent
- Bluetooth interface not functional
- ISO15118 interface not functional
- OCPP 1.6J protocol does not fully support Smart Charging Profile

1.11 Base Version: 2.120

Release Date: 13-Jan-2023

Supported Hardware:

- **VersiCharge Gen 3 IEC with MID meter**
  - **32A 3-phase Commercial**
    - 8EM1310-3EJ04-0GA0; 8EM1310-3EH04-0GA0; 8EM1310-3EJ04-3GA1; 8EM1310-3EH04-3GA1; 8EM1310-3EN04-0GA0; 8EM1310-3EN04-3GA1; 8EM1310-3EN04-3GA2; 8EM1310-2EJ04-3GA2; 8EM1310-2EH04-3GA2
  - **32A 1-phase Commercial**
    - 8EM1310-2EJ04-0GA0; 8EM1310-2EH04-0GA0; 8EM1310-2EJ04-3GA1; 8EM1310-2EH04-3GA1; 8EM1310-2EH04-3GA2; 8EM1310-3EJ04-3GA2; 8EM1310-2EN04-0GA0; 8EM1310-2EN04-3GA1; 8EM1310-2EN04-3GA2
  - **Shutter**
    - 8EM1310-2EN04-0GA0; 8EM1310-2EN04-3GA1; 8EM1310-3EN04-0GA0; 8EM1310-3EN04-3GA1; 8EM1310-2EN04-3GA2; 8EM1310-3EN04-3GA2
  - **32 A 3-phase ERK**
    - 8EM1310-3FH04-0GA0; 8EM1310-3FH04-3GA2; 8EM1310-3FH04-3GA1; 8EM1310-3FJ04-0GA0; 8EM1310-3FJ04-3GA2; 8EM1310-3FJ04-3GA1

New Features:

- Support for new hardware (see supported MLFBs) Enhanced Modbus register map

Resolved Issues:

- Maximum Wi-Fi power adjusted per regional requirements in Europe and North America
- Logs no longer lost when a power cycle takes place
- VC3-1185 If local RFID is used it now works when the charger is online
- RFID tags loaded locally now can be used if the charger is configured for OCPP usage
- Power loss while charging no longer blocks charging re-start by the same user
- OCPP:
  - Meter information between last sample interval and the end of session missing from the end of session meter value
  - RFID authentication failing intermittently
  - Meter samples are now consistent for 15s, 30s and 45s intervals
  - TransactionMessageRetryInterval and TransactionMessageAttempts now supported
- Firmware version properly reported representing A8
- Modbus RTU address can be configured

- Persistent Wi-Fi yellow LED no longer present

Known Issues:

- VC3-2589 Erratic connectivity in firewalls where Google DNS is blocked
- VC3-2091 RFID cards trigger no response after 30 minutes
- Time synchronization does not work properly when Siemens IEC SIM card is utilized.
- Low and medium cellular/Wi-Fi network strength incorrectly reported as Good.
- Persistent logs could cause chargers to lose connectivity permanently after several months of operation.
- EVSE continues charging for up to 10 minutes after a power cycle triggered during a charging session, even if authentication is configured to be required
- Network configuration timeout too short, can cause commissioning issues and work in poor cellular strength environments for parent chargers
- Wrong meter values detected in App and VersiCloud
- When the Wi-Fi connection between parent and child is weak and the child loses connectivity a physical power cycle may be necessary for connectivity to be restored
- HMI incorrectly reflects RFID status of charger (blue LED not on although RFID is enabled)
- Interval between RFID taps should be at least 2 seconds
- Modbus:
    - Maximum Current set is decreased by one ampere
    - 3-phase meter information is incorrect
- OCPP:
    - VC3-1787 No Start/Stop Transaction and MeterValues in FreeVend Mode
    - VC3-2416 Trigger message - metervalues (outside the charging session) are reporting from the previous charging session
    - VCR-1994 After RemoteStop, the charging is stopped and if the connector is still plugged in, it starts charging again and no ocpp logs VC3-1704 Charger

accepts any random value sent for the MeterValueSampleData and does not send the tx related related messages

- VC3-1292 Power Loss not reported correctly after a power restart
- VC3-464 ChangeAvailability to Unavailable does not preclude charging
- GetCompositeSchedule inconsistent behavior
- TxProfile accepted without an ongoing transaction or with the wrong Transaction ID
- TxDefaultProfile doesn't change the duty cycle
- SecurityProfile configuration key for change to profile 1 not supported
- Energy.Active.Import.Register values & MeterStart values not aligned
- Power-based smart Charging Profiles incorrect behavior on 3-phase chargers
- GetDiagnostics upload failure
- Boot Notification description fields inconsistent
- Offline sessions are not reported when the charger returns to being online
- OCPP interface stuck at verbose logs
- StatusNotification Finishing is sent before RemoteStopTransaction is accepted
- When a charging session is stopped via RFID or RemoteStopTransaction, the charging LED stays on
- (UL variants only) Failure to report a port transition from unplugged to re-plugged:
  - If re-plugged within 10 seconds when the StopTransactionOnEvSideDisconnect flag is set to TRUE
  - in all cases in which StopTransactionOnEvSideDisconnect is set to FALSE

Known Limitations:

- UL hardware: only one client is supported per Wi-Fi parent
- Bluetooth interface not functional
- ISO15118 interface not functional
- OCPP 1.6J protocol does not support Smart Charging Profile

1.12 Base Version: 2.118

Release Date: 25-Aug-2022

Supported Hardware:

- **VersiCharge Gen 3 IEC with MID meter**
  - **32A 32A 3-phase Commercial**
    - 8EM1310-3EJ04-0GA0; 8EM1310-3EH04-0GA0; 8EM1310-3EJ04-3GA1; 8EM1310-3EH04-3GA1; 8EM1310-3EN04-0GA0; 8EM1310-3EN04-3GA1; 8EM1310-3EN04-3GA2; 8EM1310-2EJ04-3GA2; 8EM1310-2EH04-3GA2
  - **32A 1-phase Commercial**
    - 8EM1310-2EJ04-0GA0; 8EM1310-2EH04-0GA0; 8EM1310-2EJ04-3GA1; 8EM1310-2EH04-3GA1; 8EM1310-2EH04-3GA2; 8EM1310-3EJ04-3GA2; 8EM1310-2EN04-0GA0; 8EM1310-2EN04-3GA1; 8EM1310-2EN04-3GA2
  - **Shutter**
    - 8EM1310-2EN04-0GA0; 8EM1310-2EN04-3GA1; 8EM1310-3EN04-0GA0; 8EM1310-3EN04-3GA1; 8EM1310-2EN04-3GA2; 8EM1310-3EN04-3GA2
- **VersiCharge Gen 3 UL**
  - 40A plug-in and hardwire Residential
    - 8EM1312-4CF18-0FA3; 8EM1312-5CF18-0FA3
  - **40A Commercial**
    - 8EM1310-4CF14-1GA2; 8EM1310-4CF14-0GA0
  - 48A Commercial
    - 8EM1310-5CF14-1GA2; 8EM1310-5CF14-0GA0; 8EM1310-5CG14-1GA2; 8EM1314-5CG18-0FA3; 8EM1314-5CG14-2FA2

New Features:

- Support for Shutter new IEC hardware variants
- Support for Modbus
- Additional OCPP command support (see OCPP documentation with commands supported per firmware variant)
- OCPP: minimum samples meter interval reduced from 60 seconds to 15 seconds

Resolved Issues:

- IEC hardware: hardware is no longer susceptible to ESD events that cause a power cycle (HMI shows abnormal sequence)
- Under voltage alarms removed
- RFID allow list does not work when previously registered charger is being deregistered
- RFID allow list does not work when the charger is offline

Known Issues:

- VC3-2589 Erratic connectivity in firewalls where Google DNS is blocked
- VC3-2091 RFID cards trigger no response after 30 minutes

- Time synchronization does not work properly when Siemens IEC SIM card is utilized.
- Low and medium cellular/Wi-Fi network strength incorrectly reported as Good.
- EVSE continues charging for up to 10 minutes after a power cycle triggered during a charging session, even if authentication is configured to be required
- Network configuration timeout too short, can cause commissioning issues and work in poor cellular strength environments for parent chargers
- Wrong meter values detected in App and VersiCloud
- OCPP: Meter information between last sample interval and the end of session missing from the end of session meter value
- When the Wi-Fi connection between parent and child is weak and the child loses connectivity a physical power cycle may be necessary for connectivity to be restored
- HMI incorrectly reflects RFID status of charger (blue LED not on although RFID is enabled)
- Modbus RTU works on a fixed address
- Interval between RFID taps should be at least 2 secondsOCPP: ChangeAvailability to Unavailable does not preclude charging
- OCPP: Offline sessions are not reported when the charger returns to being online
- OCPP interface stuck at verbose logs
- OCPP: StatusNotification Finishing is sent before RemoteStopTransaction is accepted
- OCPP: When a charging session is stopped via RFID or RemoteStopTransaction, the charging LED stays on
- Smart Charging does not accept 0A or 0W settings
- OCPP: VCR-1994 After RemoteStop, the charging is stopped and if the connector is still plugged in, it starts charging again and no ocpp logs
- OCPP: VC3-1704 Charger accepts any random value sent for the MeterValueSampleData and does not send the tx related related messages
- OCPP: VC3-1787 No Start/Stop Transaction and MeterValues in FreeVend Mode
- OCPP: VC3-1292 Power Loss not reported correctly after a power restart
- OCPP: VC3-2416 Trigger message - metervalues (outside the charging session) are reporting from the previous charging session
- OCPP: (UL variants only) Failure to report a port transition from unplugged to re-plugged:
    - If re-plugged within 10 seconds when the StopTransactionOnEvSideDisconnect flag is set to TRUE
    - in all cases in which StopTransactionOnEvSideDisconnect is set to FALSE

Known Limitations:

- UL hardware: only one client is supported per Wi-Fi parent
- Bluetooth interface not functional
- ISO15118 interface not functional
- OCPP 1.6J protocol does not support Smart Charging Profile

1.13 Base Version: 2.116.14

Release Date: Jan-2023

Supported Hardware:

- **VersiCharge Gen 3 IEC with MID meter**
  - **32A 3-phase Commercial**
    - 8EM1310-3EJ04-0GA0; 8EM1310-3EH04-0GA0; 8EM1310-3EJ04-3GA1; 8EM1310-3EH04-3GA1; 8EM1310-3EN04-0GA0; 8EM1310-3EN04-3GA1; 8EM1310-3EN04-3GA2; 8EM1310-2EJ04-3GA2; 8EM1310-2EH04-3GA2
  - **32A 1-phase Commercial**
    - 8EM1310-2EJ04-0GA0; 8EM1310-2EH04-0GA0; 8EM1310-2EJ04-3GA1; 8EM1310-2EH04-3GA1; 8EM1310-2EH04-3GA2; 8EM1310-3EJ04-3GA2; 8EM1310-2EN04-0GA0; 8EM1310-2EN04-3GA1; 8EM1310-2EN04-3GA2
- **VersiCharge Gen 3 UL**
  - **40A plug-in and hardwire Residential**
    - 8EM1312-4CF18-0FA3; 8EM1312-5CF18-0FA3
  - **40A Commercial**
    - 8EM1310-4CF14-1GA2; 8EM1310-4CF14-0GA0
  - **48A Commercial**
    - 8EM1310-5CF14-1GA2; 8EM1310-5CF14-0GA0; 8EM1310-5CG14-1GA2; 8EM1314-5CG18-0FA3; 8EM1314-5CG14-2FA2

New Features:

- None

Resolved Issues:

- Network configuration timeout adjusted, avoids commissioning issues and work in poor cellular strength environments for parent chargers
- Reduces OCPP communication dropouts
- OCPP charger hand shaking improved
- Improved the Charging Available Status in OCPP
- Improved the Charging Complete Status in OCPP
- OCPP configuration settings improved
- Improved Wi-Fi Connectivity

Known Issues:

- VC3-2589 Erratic connectivity in firewalls where Google DNS is blocked
- VC3-2091 RFID cards trigger no response after 30 minutes

- Time synchronization does not work properly when Siemens IEC SIM card is utilized.
- Low and medium cellular/Wi-Fi network strength incorrectly reported as Good.
- EVSE continues charging for up to 10 minutes after a power cycle triggered during a charging session, even if authentication is configured to be required
- Wrong meter values detected in App and VersiCloud
- RFID allow list does not work when previously registered charger is being deregistered
- RFID allow list does not work when the charger is offline
- IEC hardware: hardware I susceptible to ESD events that cause a power cycle (HMI shows abnormal sequence)
- When the Wi-Fi connection between parent and child is weak and the child loses connectivity a physical power cycle may be necessary for connectivity to be restored
- HMI incorrectly reflects RFID status of charger (blue LED not on though RFID is enabled)
- OCPP: ChangeAvailability to Unavailable does not preclude charging
- OCPP: Offline sessions are not reported when the charger returns to being online
- Smart Charging does not accept 0A or 0W settings
- OCPP: (UL variants only) Failure to report a port transition from unplugged to re-plugged:
    - If re-plugged within 10 seconds when the StopTransactionOnEvSideDisconnect flag is set to TRUE
    - in all cases in which StopTransactionOnEvSideDisconnect is set to FALSE

Known Limitations:

- UL hardware: only one client is supported per Wi-Fi parent
- Modbus interface is not functional
- Bluetooth interface not functional
- ISO15118 interface not functional
- OCPP 1.6J protocol does not support Smart Charging Profile

1.14 Base Version: 2.116

Release Date: Apr-2022

Supported Hardware:

- **VersiCharge Gen 3 IEC with MID meter**
  - **32A 3-phase Commercial**
    - 8EM1310-3EJ04-0GA0**;** 8EM1310-3EH04-0GA0; 8EM1310-3EJ04-3GA1; 8EM1310-3EH04-3GA1; 8EM1310-3EN04-0GA0; 8EM1310-3EN04-3GA1; 8EM1310-3EN04-3GA2; 8EM1310-2EJ04-3GA2; 8EM1310-2EH04-3GA2
  - **32A 1-phase Commercial**
    - 8EM1310-2EJ04-0GA0; 8EM1310-2EH04-0GA0; 8EM1310-2EJ04-3GA1; 8EM1310-2EH04-3GA1; 8EM1310-2EH04-3GA2; 8EM1310-3EJ04-3GA2; 8EM1310-2EN04-0GA0; 8EM1310-2EN04-3GA1; 8EM1310-2EN04-3GA2
- **VersiCharge Gen 3 UL**
  - **40A plug-in and hardwire Residential**
    - 8EM1312-4CF18-0FA3; 8EM1312-5CF18-0FA3
  - **40A Commercial**
    - 8EM1310-4CF14-1GA2; 8EM1310-4CF14-0GA0
  - **48A Commercial**
    - 8EM1310-5CF14-1GA2; 8EM1310-5CF14-0GA0; 8EM1310-5CG14-1GA2; 8EM1314-5CG18-0FA3; 8EM1314-5CG14-2FA2

New Features:

- None

Resolved Issues:

- VC3-2091 RFID cards trigger no response after 30 minutes
  - Reduces OCPP communication dropouts
  - OCPP charger hand shaking improved
  - Improved the Charging Available Status in OCPP
  - Improved the Charging Complete Status in OCPP
  - OCPP configuration settings improved
  - Improved Wi-Fi Connectivity

Known Issues:

- VC3-2589 Erratic connectivity in firewalls where Google DNS is blocked

- Time synchronization does not work properly when Siemens IEC SIM card is utilized.
- Low and medium cellular/Wi-Fi network strength incorrectly reported as Good.
- EVSE continues charging for up to 10 minutes after a power cycle triggered during a charging session, even if authentication is configured to be required
- Network configuration timeout too short, can cause commissioning issues and work in poor cellular strength environments for parent chargers
- Wrong meter values detected in App and VersiCloud
- RFID allow list does not work when previously registered charger is being deregistered
- RFID allow list does not work when the charger is offline
- OCPP: ChangeAvailability to Unavailable does not preclude charging
- IEC hardware: hardware I susceptible to ESD events that cause a power cycle (HMI shows abnormal sequence)
- When the Wi-Fi connection between parent and child is weak and the child loses connectivity a physical power cycle may be necessary for connectivity to be restored
- HMI incorrectly reflects RFID status of charger (blue LED not on though RFID is enabled)
- OCPP: Offline sessions are not reported when the charger returns to being online
- Smart Charging does not accept 0A or 0W settings
- OCPP: (UL variants only) Failure to report a port transition from unplugged to re-plugged:
    - If re-plugged within 10 seconds when the StopTransactionOnEvSideDisconnect flag is set to TRUE
    - in all cases in which StopTransactionOnEvSideDisconnect is set to FALSE

Known Limitations:

- UL hardware: only one client is supported per Wi-Fi parent
- Modbus interface is not functional
- Bluetooth interface not functional
- ISO15118 interface not functional
- OCPP 1.6J protocol does not support Smart Charging Profile

1.15 Base Version: 2.115.4

Release Date: Mar-2022

New Features:

- Remote Stop Command can be executed via OCPP
- 3-phase variants: Current reported for each phase via OCPP

Resolved Issues:

- None

Known Issues:

- VC3-2589 Erratic connectivity in firewalls where Google DNS is blocked
- VC3-2091 RFID cards trigger no response after 30 minutes
- Time synchronization does not work properly when Siemens IEC SIM card is utilized.
- Low and medium cellular/Wi-Fi network strength incorrectly reported as Good.
- EVSE continues charging for up to 10 minutes after a power cycle triggered during a charging session, even if authentication is configured to be required
- Network configuration timeout too short, can cause commissioning issues and work in poor cellular strength environments for parent chargers
- Wrong meter values detected in App and VersiCloud
- RFID allow list does not work when previously registered charger is being deregistered
- RFID allow list does not work when the charger is offline
- IEC hardware: hardware I susceptible to ESD events that cause a power cycle (HMI shows abnormal sequence)
- OCPP: ChangeAvailability to Unavailable does not preclude charging
- When the Wi-Fi connection between parent and child is weak and the child loses connectivity a physical power cycle may be necessary for connectivity to be restored
- HMI incorrectly reflects RFID status of charger (blue LED not on though RFID is enabled)
- OCPP: Offline sessions are not reported when the charger returns to being online
- Smart Charging does not accept 0A or 0W settings

- OCPP: (UL variants only) Failure to report a port transition from unplugged to re-plugged:
    - If re-plugged within 10 seconds when the StopTransactionOnEvSideDisconnect flag is set to TRUE
    - in all cases in which StopTransactionOnEvSideDisconnect is set to FALSE

Known Limitations:

- UL hardware: only one client is supported per Wi-Fi parent
- Modbus interface is not functional
- Bluetooth interface not functional
- ISO15118 interface not functional
- OCPP 1.6J protocol does not support Smart Charging Profile

1.16 Base Version: 2.115

Release Date: Feb-2022

New Features:

- Improved performance between VersiCloud and connected networks
- Added beep to 1st tap on RFID cards
- Improved commissioning for hardwire ethernet variant
- Support toggling of RFID access control during commissioning
- OCPP interoperability and security improvements

Resolved Issues:

- Undervoltage protection configuration modified to include the entire 208V range for UL variants
- OCPP metering data format fixed

Known Issues:

- VC3-2589 Erratic connectivity in firewalls where Google DNS is blocked
- VC3-2091 RFID cards trigger no response after 30 minutes
- Time synchronization does not work properly when Siemens IEC SIM card is utilized.
- Low and medium cellular/Wi-Fi network strength incorrectly reported as Good.
- EVSE continues charging for up to 10 minutes after a power cycle triggered during a charging session, even if authentication is configured to be required
- Network configuration timeout too short, can cause commissioning issues and work in poor cellular strength environments for parent chargers
- Wrong meter values detected in App and VersiCloud
- RFID allow list does not work when previously registered charger is being deregistered
- RFID allow list does not work when the charger is offline
- IEC hardware: hardware I susceptible to ESD events that cause a power cycle (HMI shows abnormal sequence)
- When the Wi-Fi connection between parent and child is weak and the child loses connectivity a physical power cycle may be necessary for connectivity to be restored
- HMI incorrectly reflects RFID status of charger (blue LED not on though RFID is enabled)
- OCPP: ChangeAvailability to Unavailable does not preclude charging
- OCPP: Offline sessions are not reported when the charger returns to being online
- Smart Charging does not accept 0A or 0W settings

- OCPP: (UL variants only) Failure to report a port transition from unplugged to re-plugged:
    - If re-plugged within 10 seconds when the StopTransactionOnEvSideDisconnect flag is set to TRUE
    - in all cases in which StopTransactionOnEvSideDisconnect is set to FALSE
-

Known Limitations:

- UL hardware: only one client is supported per Wi-Fi parent
- Modbus interface is not functional
- Bluetooth interface not functional
- ISO15118 interface not functional
- OCPP 1.6J protocol does not support Smart Charging Profile, Remote Stop and 3-phase current reporting

1.17 Base Version: 2.113

Release Date: 26-Oct-2021

New Features:

- Improved SSID input when commissioning
- RFID can be remotely tuned on/off via VersiCloud (contact **http://www.siemens.com/emobility-customer-service))**
- OCPP Client - Support for Configuration Parameter "AuthorizationKey"
- OCPP Client - Support for "GetDiagnostics"

Resolved Issues:

- Charger not responsive to OCPP server after reboot
- Removal of pause toggle between M0 and A8 which caused occasional loss of communication with both VersiCloud and OCPP server
- Charging session stopped by unwanted reboot when trying to connect to Wi-Fi
- Energy reporting corrected
- Charging interruptions on UL residential chargers
- Unexpected pauses with RFID cards

Known Issues:

- VC3-2589 Erratic connectivity in firewalls where Google DNS is blocked
- VC3-2091 RFID cards trigger no response after 30 minutes

- Time synchronization does not work properly when Siemens IEC SIM card is utilized.
- Low and medium cellular/Wi-Fi network strength incorrectly reported as Good.
- EVSE continues charging for up to 10 minutes after a power cycle triggered during a charging session, even if authentication is configured to be required
- Network configuration timeout too short, can cause commissioning issues and work in poor cellular strength environments for parent chargers
- Wrong meter values detected in App and VersiCloud
- RFID allow list does not work when previously registered charger is being deregistered
- RFID allow list does not work when the charger is offline
- RFID response times extremely slow
- IEC hardware: hardware I susceptible to ESD events that cause a power cycle (HMI shows abnormal sequence)
- When the Wi-Fi connection between parent and child is weak and the child loses connectivity a physical power cycle may be necessary for connectivity to be restored
- HMI incorrectly reflects RFID status of charger (blue LED not on though RFID is enabled)
- Undervoltage protection set at value incompatible with lower end of 208V range
- OCPP: ChangeAvailability to Unavailable does not preclude charging
- OCPP metering data format
- Charging session stopped by unwanted reboot when trying to connect to Wi-Fi
- OCPP: Offline sessions are not reported when the charger returns to being online
- Smart Charging does not accept 0A or 0W settings
- OCPP: (UL variants only) Failure to report a port transition from unplugged to re-plugged:
    - If re-plugged within 10 seconds when the StopTransactionOnEvSideDisconnect flag is set to TRUE
    - in all cases in which StopTransactionOnEvSideDisconnect is set to FALSE
-

Known Limitations:

- UL hardware: only one client is supported per Wi-Fi parent
- Modbus interface is not functional
- Bluetooth interface not functional
- ISO15118 interface not functional
- OCPP 1.6J does not support Smart Charging, Remote Stop and 3-phase current reporting
- Performance issues between VersiCloud and connected networks

1.18 Base Version: 2.112

Release Date: 9-Aug-2021

New Features:

- RFID-based authentication can be enabled and disabled

Resolved Issues:

- Wi-Fi configuration removed persisted unless a power cycle happened
- Cannot select certain Wi-Fi SSIDs including special characters
- Wi-Fi router handshake issues
- Energy reported with incorrect scaling
- VersiCloud-configured current limit does not work when EVSE is used via OCPP
- OCPP default profile is rejected

Known Issues:

- VC3-2589 Erratic connectivity in firewalls where Google DNS is blocked
- VC3-2091 RFID cards trigger no response after 30 minutes
- Time synchronization does not work properly when Siemens IEC SIM card is utilized.
- Low and medium cellular/Wi-Fi network strength incorrectly reported as Good.
- EVSE continues charging for up to 10 minutes after a power cycle triggered during a charging session, even if authentication is configured to be required
- Network configuration timeout too short, can cause commissioning issues and work in poor cellular strength environments for parent chargers
- Wrong meter values detected in App and VersiCloud
- RFID allow list does not work when previously registered charger is being deregistered
- RFID allow list does not work when the charger is offline
- IEC hardware: hardware I susceptible to ESD events that cause a power cycle (HMI shows abnormal sequence)
- When the Wi-Fi connection between parent and child is weak and the child loses connectivity a physical power cycle may be necessary for connectivity to be restored
- HMI incorrectly reflects RFID status of charger (blue LED not on though RFID is enabled)
- Undervoltage protection set at value incompatible with lower end of 208V range
- OCPP: ChangeAvailability to Unavailable does not preclude charging
- OCPP metering data format
- OCPP: Offline sessions are not reported when the charger returns to being online
- Smart Charging does not accept 0A or 0W settings

- OCPP: (UL variants only) Failure to report a port transition from unplugged to re-plugged:
    - If re-plugged within 10 seconds when the StopTransactionOnEvSideDisconnect flag is set to TRUE
    - in all cases in which StopTransactionOnEvSideDisconnect is set to FALSE

Known Limitations:

- UL hardware: only one client is supported per Wi-Fi parent
- Modbus interface is not functional
- Bluetooth interface not functional
- ISO15118 interface not functional
- OCPP 1.6J protocol does not support Smart Charging Profile, Remote Stop and 3-phase current reporting
- Performance issues between VersiCloud and connected networks

1.19 Base Version: 2.111

New Features:

- Improvements for Parent/ Child setup

Resolved Issues:

- Improved stability of parent/child communication for up to 9 child units connected to one parent unit for IEC models.

Known Issues:

- VC3-2589 Erratic connectivity in firewalls where Google DNS is blocked
- VC3-2490 It is not possible to enter ECN user cards using the admin card on V19 charger
- VC3-2091 RFID cards trigger no response after 30 minutes
- Time synchronization does not work properly when Siemens IEC SIM card is utilized.
- Low and medium cellular/Wi-Fi network strength incorrectly reported as Good.
- EVSE continues charging for up to 10 minutes after a power cycle triggered during a charging session, even if authentication is configured to be required
- Network configuration timeout too short, can cause commissioning issues and work in poor cellular strength environments for parent chargers
- Wrong meter values detected in App and VersiCloud
- RFID allow list does not work when previously registered charger is being deregistered
- RFID allow list does not work when the charger is offline
- IEC hardware: hardware I susceptible to ESD events that cause a power cycle (HMI shows abnormal sequence)
- When the Wi-Fi connection between parent and child is weak and the child loses connectivity a physical power cycle may be necessary for connectivity to be restored
- HMI incorrectly reflects RFID status of charger (blue LED not on though RFID is enabled)
- Undervoltage protection set at value incompatible with lower end of 208V range
- OCPP: ChangeAvailability to Unavailable does not preclude charging
- OCPP metering data format
- OCPP: Offline sessions are not reported when the charger returns to being online
- Smart Charging does not accept 0A or 0W settings

- OCPP: (UL variants only) Failure to report a port transition from unplugged to re-plugged:
    - If re-plugged within 10 seconds when the StopTransactionOnEvSideDisconnect flag is set to TRUE
    - in all cases in which StopTransactionOnEvSideDisconnect is set to FALSE

Known Limitations:

- UL hardware: only one client is supported per Wi-Fi parent
- Modbus interface is not functional
- Bluetooth interface not functional
- ISO15118 interface not functional
- OCPP 1.6J protocol does not support Smart Charging Profile, Remote Stop and 3-phase current reporting
- Performance issues between VersiCloud and connected networks

1.20 Base Version: 2.110

Summary of relevant customer facing changes:

Free charging scenario edge case fix

Unauthorized charging sessions may previously have been allowed to start in the following scenarios. They have now been fixed. (1) After a fault occurs while the charger is charging and the fault is cleared, and (2) after the cable is unplugged from EV side when it is charging.

RFID audible authentication notification enhancements

Audible indication of card tap and authorization status can now be observed by the driver.

Note

Inconsistencies may still occur when the unit is not yet fully booted up which can be indicated by the Wi-Fi LED on the front of the unit showing either a blinking or solid white status.

Note

Ideally the user should wait 10 seconds between two RFID card taps, otherwise inconsistencies may still occur.

Commissioning improvements

Time reduction in total time required to commission unit via the mobile app and the PC tool.

Display inconsistencies fixed

Adjusted Amps on mobile app displaying correct value for derated Amps. Inconsistency in connectivity status of charger displayed on mobile app and VersiCharge SG cloud web page fixed to be more reliable.

Over the air upgrade automation enhanced

Improve time to administer over the air updates to field chargers.