VersiCharge Inspector Checklist
Help take out the guess work when checking a Siemens VersiCharge EVSE System for UL and NEC compliance.

Renewable Energy Solutions

Required Checks

Branch Circuit
☐ Ensure the branch circuit feeding the VersiCharge has no other loads connected to it.

☐ Ensure that the VersiCharge is connected to the correct sized circuit breaker:
  ☐ 40 A 2-Pole Breaker for 30 A VersiCharge Units
  ☐ 90 A 2-Pole Breaker for 70 A VersiCharge units
  *Utilizing the amperage adjustment switch does NOT allow users to de-rate the branch circuit breaker

☐ Verify correct wire gauge is used, based on VersiCharge amperage rating, type of conductor and length of run from supplying panel
  ☐ Lugs are rated for copper conductors only
  ☐ Refer to NEC® Chapter 9, Table 8 for wire size calculations

☐ Verify that Load Center or Distribution Panel board has sufficient capacity to operate the added load of the VersiCharge
  ☐ 30 A devices will consume 7.2 kW of power
  ☐ 70 A devices will consume 16.8 kW of Power

Location
☐ Verify that the VersiCharge is installed within the height restriction set forth in the NEC® Section 625.28
  ☐ Indoor: 18 in. to 48 in. above floor level
  ☐ Outdoor: 24 in. to 48 in. above parking surface
  *VersiCharge in Rated NEMA 4 and can be installed indoors or outdoors

☐ Verify that the installation is not in the presence of flammable vapors

☐ Verify that the mounting is attached to a stud or other structure that will support the 20+ lb weight of the device
Connection

Cord-and-Plug Installations
*VersiCharge 30 A devices meet the requirements set forth in NEC® 625.18, 625.19 and 625.29, and therefore, according to Section 625.13, can be installed with a Cord-and-Plug System. 70 A VersiCharge devices MUST be hardwired.

☐ Verify that Cord-and-Plug connected device is a 30 A device

☐ Verify the plug location matches the associated part number:
  ☐ VersiCharge part numbers ending with the letter ‘R’ can only be installed with a rear-fed plug when using a Cord-and-Plug System
  ☐ VersiCharge part numbers ending with the letter ‘B’ can only be installed with a bottom-fed plug when using a Cord-and-Plug System

☐ Verify that the NEMA 6-50R Receptacle is installed correctly.

Hard-wired Installations
The VersiCharge can be hardwired into the electrical system by removing the installed cord, and attaching incoming conductors. Any VersiCharge can be hard-wired, from either the bottom or the rear, regardless of factory installed cord location

☐ Verify L1, L2, and Ground connections inside the VersiCharge are correctly wired
  ☐ L1 and L2 connections should be torqued to 14.5 lb-in.
  ☐ Ground connection should be torqued to 25 lb-in.

☐ Verify that strain relief fittings are used on incoming conductors

☐ Verify that all bottom-fed, hard wired installation have correct conduit and fittings for the installation location

Auxiliary Control (Alternate Input)
☐ Verify that any auxiliary control device is installed according to that devices manufacturer instructions.

Code References
☐ Siemens VersiCharge devices are listed in UL File # E348556
☐ NEC® and National Electrical Code® are Registered Trademarks of the National Fire Protection Association
☐ All NEC® Code References are to NEC® 2011