NFPA 70®-2026 Edition
National Electrical Code®
TIA Log No.: 1881
Reference: 625.44
Comment Closing Date: November 30, 2026
Submitter: Megan Hayes/Bryan Holland, National Electrical Manufacturers Association
www.nfpa.org/70

1. Revise section 625.44 to read as follows:

625.44 Equipment Connection. EVSE and WPTE that is connected to the premises wiring shall be connected in accordance with one of the methods in 625.44(A) through 625.44(C).

Cord- and plug-connected equipment shall be provided with an attachment plug rated not less than 125 percent of the maximum rating of the equipment.

~~A 50-ampere rated receptacle shall not be installed on a 40-ampere branch circuit as permitted in 210.24.~~ The current rating of the receptacle shall be the same as the branch circuit.

Substantiation: Articles 625.40 and 625.41 require EVSEs to be treated as continuous loads and supplied by an individual branch circuit with an exception for PCS managed EVSEs. The reference to Article 210.24, which applies only to branch circuits supplying two or more outlets or receptacles, in the current 625.44 text created a correlation issue for EVSEs not managed by a PCS as permitted in 625.42. 210.21(B) is the correct article for a single receptacle on an individual branch circuit.

The original intent of the 625.44 text was to ensure EVSE branch circuits are not overloaded or operate at 100% during charging, an issue identified by the NEMA-UL task group formed to address issues related to EV charging. A specific example is a 40A EVSE with a 50A plug being plugged into a 50A receptacle supplied by a 40A branch circuit, whose original purpose was to supply a 32A EVSE. The same concern also exists for EVSEs managed by a PCS. The original branch circuit installation is code compliant for the original intent, but susceptible to uses that violate requirements of 210.19, 210. 20 and for branch circuit conductor size and overcurrent protection.

By requiring the receptacle rating to be the same as the branch circuit rating, this proposal ensures compliance with the safety principles of 210.19 and 210.20 for all cord-connected EVSE usage.

Emergency Nature: The standard contains an error or an omission that was overlooked during the regular revision process. The NFPA Standard contains a conflict within the NFPA Standard or within another NFPA Standard. The proposed TIA intends to offer to the public a benefit that would lessen a recognized (known) hazard or ameliorate a continuing dangerous condition or situation.

This TIA corrects a correlation issue created by the reference to article 210.24. This TIA ensures the safety principles of 210.19 and 210.20 are properly applied to individual branch circuits supplying EVSEs.

Anyone may submit a comment by the closing date indicated above. Please identify the TIA number, state whether you SUPPORT or OPPOSE the TIA along with your comment, and forward to the Secretary, Standards Council. SUBMIT A COMMENT