

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460



OFFICE OF
AIR AND RADIATION

June 20, 2023

Dear ENERGY STAR® Electric Vehicle Supply Equipment (EVSE) Brand Owner or Other Interested Party:

The U.S. Environmental Protection Agency (EPA) is pleased to share with you [the finalized ENERGY STAR Version 1.2 Electric Vehicle Supply Equipment specification](#). EPA would like to thank the stakeholders who have invested time and effort to contribute feedback that has informed this specification amendment. EPA has not revised any criteria pertaining to DC EVSE and currently certified DC and AC products will not be affected by this update. These Version 1.2 requirements are effective immediately.

With Version 1.2, EPA addresses updates to the criteria for AC EVSE prompted by recent state requirements in terms of added product functionality. Data shared demonstrated that some of the state mandated features warrant additional allowed energy across multiple modes. This proposed amendment also includes minor updates to the connected criteria. In response to extensive stakeholder feedback as well as data shared by multiple partners, this amended specification proposes a new base allowance and new functionality adders for the AC-output EVSE energy efficiency criteria. Stakeholder comments, previous drafts of the specification, test method and related materials are available on the [ENERGY STAR Version 1.2 EVSE Specification Development Page](#).

Feedback on the Draft Specification

EPA received stakeholder comments in response to the draft specification. EPA made modest updates to the final specification in response to these comments as outlined below:

Definitions –

- EPA received feedback from stakeholders that although the metering in charging stations meets utility requirements for accuracy, noise, environmental conditions etc. it doesn't typically meet ANSI C-12 requirements. As such, EPA updated the Revenue Grade Meter definition to harmonize with NIST Handbook 44 requirements, which EPA understands products do meet.
- Stakeholders requested that EPA update the Credit Card Reader definition to allow for EMV CHIP credit cards as required by the California Air Resources Board (CARB), which this final document does.
- Stakeholders mentioned that the term 'In-use' in tables 2 through 4 was unclear. EPA added a definition clarifying the meaning of the in-use feature.

Clarifications –

- EPA would like to remind stakeholders that EVSE station lighting including status lights and with the exception of displays may be turned off or disabled by means of hardware or software during the ENERGY STAR testing process as lighting doesn't pertain to the EVSE functionality.
- Stakeholders pointed out that some EVSEs in the market require Wi-Fi, Cellular and Ethernet to be enabled simultaneously. As such, EPA allows testing of products with any

- or all the network connections enabled. However, allowance can be claimed for only one connection as per the order mentioned in the test method.
- To support the addition of ISO 15118 functionality in the optional connected criteria, EPA has clarified how brand owners should demonstrate compliance if they want their model recognized as having ENERGY STAR connected functionality.

ENERGY STAR partnership as a manufacturer is limited to organizations that own and/or license a brand name under which they sell eligible products in the United States and/or Canada. Partnership is not available to original equipment manufacturers (OEMs) that do not sell directly to consumers or end users. OEMs may certify products on behalf of the ENERGY STAR brand owners/licensees; however, the brand owner must be the ENERGY STAR partner associated directly with the certified product models, since only partners are authorized to use the ENERGY STAR certification mark.

Please contact me at (202) 564-8538 or Kwon.James@epa.gov, or Abhishek Jathar at (202) 862-1203 or Abhishek.Jathar@icf.com, with questions or to share feedback on this amendment.

Thank you for your continued support of ENERGY STAR.

Best Regards,



James Kwon, EPA Product Manager
ENERGY STAR for EVSE

Enclosures:

[ENERGY STAR EVSE Version 1.2 Final Specification](#)
[ENERGY STAR DC EVSE Final Test Method](#)
[ENERGY STAR AC EVSE Final Test Method](#)