



# Energy storage equipment wiring harness standard

What is a rechargeable electrical energy storage system?

“Rechargeable Electrical Energy Storage System (REESS)” means the rechargeable energy storage system that provides electric energy for electric propulsion. A battery whose primary use is to supply power for starting the engine and/or lighting and/or other vehicle auxiliaries' systems is not considered as a REESS.

What are the requirements for a hydrogen emission measurement enclosure?

REESS temperature in its normal functioning range. The hydrogen emission measurement enclosure shall be a gas-tight measuring chamberable to contain the vehicle/REESS under test. The vehicle/REESS shall be accessible from all sides and the enclosure when sealed shall be gas-tight in accordance with Annexure VIII, Appendix 1.

Are extension cords a product hazard?

Extension cords that do not contain one or more of five applicable readily observable characteristics set forth in the rule, as addressed in the voluntary standard UL 817, Standard for Cord Sets and Power-Supply Cords (as listed in 16CFR 1120.4), are deemed a substantial product hazard under the Consumer Product Safety Act.

How to measure isolation resistance between high voltage bus and electrical chassis?

The isolation resistance between the high voltage bus and the electrical chassis may be demonstrated by calculation, measurement or a combination of both. The measurement shall be conducted according to Annexure V-A “Isolation resistance measurement method for vehicle based tests”;

When re-charging is recommended on a Reess?

There shall also be an optical /visual indication to the driver when state of charge of the REESS reaches a level where re-charging is recommended, this indication shall remain ON, even if the vehicle is restarted, till the vehicle is charged above the charge level where re-charging is recommended.

When does a battery charger need a new energy conservation standard?

Compliance with the new standard is required on and after January 10, 2025. Effective March 10, 2020, the DOE adopted a new energy conservation standard for uninterruptible power supplies, a class of battery chargers. Compliance with the new standard is required on and after January 10, 2022.



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