

69A-73 Uniform Firesafety Standards for Energy Storage Systems

69A-73.001 Definitions

Approved- Acceptable to the AHJ.

Authority Having Jurisdiction (AHJ)- An organization, office, or individual responsible for enforcing the requirements of a code or standard, or for approving equipment, materials, an installation, or a procedure.

Battery- One or more cells connected together electrically in series, parallel, or both, to provide the required operating voltage and current levels.

Electric Vehicle (EV)- An automotive-type vehicle for on-road use, such as passenger automobiles, buses, trucks, vans, neighborhood electric vehicles, and electric motorcycles, primarily powered by an electric motor that draws current from a rechargeable storage battery, fuel cell, photovoltaic array, or other source of electric current. Plug-in hybrid electric vehicles (PHEV) are electric vehicles having a second source of motive power.

Electric Vehicle Power Export Equipment (EVPE)- The equipment, including the outlet on the vehicle, that is used to provide electrical power at voltages greater than or equal to 30 Vac or 60 Vdc to loads external to the vehicle, using the vehicle as the source of supply.

Electric Vehicle Supply Equipment (EVSE)- Equipment for plug-in charging, including the ungrounded, grounded, and equipment grounding conductors, and the electric vehicle connectors, attachment plugs, personnel protection system, and all other fittings, devices, power outlets, or apparatus installed specifically for the purpose of transferring energy between the premises wiring and the electric vehicle.

Energy Storage Systems (ESS)- One or more devices, assembled together, capable of storing energy to supply electrical energy at a future time.

Micromobility Device, Powered- Motorized bicycles, motorized scooters, or other personal transportation devices powered by lithium-ion or lithium metal batteries.

Wireless Power Transfer Equipment (WPTE)- Equipment installed specifically for the purpose of transferring energy between the premises wiring and the electric vehicle without physical electrical contact.

69A-73.002 Energy Storage Systems

(1) The NFPA 855, 2023 Edition, is hereby adopted and incorporated by reference and any referenced publications therein shall apply.

69A-73.003 Powered Micromobility Devices

(1) Where more than five powered micromobility devices will be charged inside or within 10 ft (3 m) of a building or structure, the charging operation shall be in accordance with this Rule.

(2) Powered micromobility devices shall be charged in accordance with their listing and the manufacturer's instructions using either the original-equipment-manufacturer-supplied listed charging equipment or listed charging equipment specified in the manufacturer's instructions.

69A-73 Uniform Firesafety Standards for Energy Storage Systems

- (3) Powered micromobility devices and portable battery packs shall be listed and labeled in accordance with UL 2272, *Electrical Systems for Personal E-Mobility Devices*, or UL 2849, *Electrical Systems for eBikes*, as applicable.
- (4) Micromobility Device Battery Charging
 - (a) Battery charging for powered micromobility devices shall be in accordance with all of the following:
 - 1. The charging equipment for each device shall be plugged directly into a listed receptacle;
 - 2. Extension cords and relocatable power taps shall not be utilized;
 - 3. Storage of combustible materials, combustible waste, or hazardous materials shall not be permitted within 10 ft (3 m) of the charging equipment; and
 - 4. The charging operation shall not be located in any exit access corridor or exit enclosure.
 - (5) The assembly or reconditioning of a lithium-ion battery using cells removed from used lithium-ion batteries is prohibited.

69A-73.004 Protective Systems and Designs

- (1) Effective January 1, 2026, automatic sprinkler systems shall be installed in accordance with NFPA 13 in all new parking structures.
- (2) Charging Station Installation of EVSE's, EVPE's, or WPTE's shall be prohibited within 25 feet of any required fire hydrant or fire department connection. This requirement may be modified, where alternative safeguards are approved by the Authority Having Jurisdiction.
- (3) Electric vehicle charging stations shall be listed and labeled in accordance with UL 2202, *Standard for Electric Vehicle (EV) Charging System Equipment*.
- (4) Electric vehicle supply equipment shall be listed and labeled in accordance with UL 2594, *Standard for Electric Vehicle Supply Equipment*.
- (5) Wireless power transfer equipment for transferring power to an electric vehicle shall be listed and labeled in accordance with UL 2750, *UL LLC Outline of Investigation for Wireless Power Transfer Equipment for Electric Vehicles*.