



Menlo Park Fire Protection District Bureau of Fire Prevention and Life Safety

170 Middlefield Road

Menlo Park, CA 94025

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Residential Battery/ESS 9540A Three (3) foot installation reduction request Guideline

Applicable beginning October 23, 2023 until further code changes or modifications.

For installers/owners wishing to install battery/ESS for Single Family (R-3, R-4) only, and requesting a reduction in Energy Storage System Battery Packs shall follow the following guideline for application and consideration of approval of reduction in spacing.

1. 1207.11.1 Equipment shall be listed in accordance with UL9540.
2. 1207.11.2 ESS shall be installed in accordance with manufacturer's instructions and their listing.
3. 1207.11.2.1 Individual units shall be separated from each other by at least 3 feet of spacing unless smaller separation distances are documented to be adequate based on large-scale fire testing complying with Section 1207.1.5.
4. 1207.11.3. Location shall be installed only in the described locations per 1207.11.3.
5. 1207.11.4. Energy ratings. Individual ESS units shall have a maximum rating of 20 kWh. The aggregate rating structure shall not exceed:
 - a. 40 kWh within utility closets and storage or utility spaces.
 - b. 80 kWh in attached or detached garages and detached accessory structures.
 - c. 80 kWh on exterior walls
 - d. 80 kWh outdoors on the ground.

For compliance with Section 1207.1.5, Large scale fire test. Applicant shall submit the following with project submittal.

1. Licensed engineer stamp and letter stating the product being submitted is in compliance with the requirements set forth in 1207.1.5 and UL9540A, most recent edition applicable with date of product.
2. Provide test reports.
 - a. Test reports shall show compliance with ESS no propagation to adjacent ESS.
 - b. Where installed in buildings, enclosed areas and walk-in units will be contained within the room, enclosed area or walk-in unit for a duration equal to the fire-resistance rating of the room separation specified in Section 1207.7.4.