



Requirements for placing energy storage equipment on the roof

What is the energy storage system guide?

Through their efforts, the Energy Storage System Guide for Compliance with Safety Codes and Standards 2016 was developed. This code for residential buildings creates minimum regulations for one- and two-family dwellings of three stories or less.

Do energy storage systems need to be listed?

1207.3.1 Energy storage system listings. ESS shall be listed in accordance with UL 9540. Exception: Lead-acid and nickel-cadmium battery systems installed in facilities under the exclusive control of communications utilities, and operating at less than 50 VAC and 60 VDC in accordance with NFPA 76, are not required to be listed.

What should be included in an energy storage & safety plan?

The plan shall include details on providing a safe, orderly shutdown of energy storage and safety systems with notification to the code officials prior to the actual decommissioning of the system.

What is a safe energy storage system (ESS)?

Timely deployment of a safe ESS is the way to document and validate compliance with current Codes, Standards, and Regulations (CSR). A task force under the CSR working group was formed to address compliance with current CSR. Through their efforts, the Energy Storage System Guide for Compliance with Safety Codes and Standards 2016 was developed.

What are solar energy ready requirements?

The intent of solar energy ready requirements is to provide a penetration free and shade free portion of the roof, called the solar zone. This helps ensure future installation of a solar energy system is not precluded by the original design and layout of the building and its associated equipment.

What is an energy storage management system?

1207.3.4 Energy storage management system. Where required by the ESS listing, an approved energy storage management system that monitors and balances cell voltages, currents and temperatures within the manufacturer's specifications shall be provided.



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