



FTMRS SOLAR

# Energy storage equipment installation distance





## Overview

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How far apart should energy storage systems be located?

Energy storage systems located on rooftops and in open parking garages shall be separated by a minimum 10 feet (3048 mm) from the following exposures::

How far should a mobile energy storage system be from the public?

An approved fence with a locked gate or other approved barrier shall be provided to keep the general public at least 5 feet (1024 mm) from the outer enclosure of a deployed mobile energy storage system. Smoking shall be prohibited within 10 feet (3048 mm) of mobile energy storage systems.

How much energy can a ESS unit store?

Individual ESS units shall have a maximum stored energy of 20 kWh per NFPA Section 15.7. NFPA 855 clearly tells us each unit can be up to 20 kWh, but how much overall storage can you put in your installation?

That depends on where you put it and is defined in Section 15.7.1 of NFPA 855.

How far apart should storage units be positioned?

Therefore, if you install multiple storage units, you have to space them three feet apart unless the manufacturer has already done large-scale fire testing and can prove closer spacing will not cause fire to propagate between adjacent units.



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Energy storage cabinet placement spacing requirements

4.0 Energy Storage System Installation Review and Approval The purpose of this chapter is to provide a high-level overview of what is involved in documenting or validating the safety of an ...

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