



**TOWN OF SHARON
BUILDING DEPARTMENT**
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Energy Storage Systems (ESS)

Installation Requirements

The Sharon Building Department and Sharon Fire Department working jointly compiled the following requirements for all installation of ESS within the town of Sharon.

Interior Installs:

Basements:

- 1) Hard wired smoke or heat detector at the site (heat if in unheated space).
- 2) Plans to show entire house with alerting devices noted on the plans.
- 3) If hard wired system exists, interconnected to new device to code/year it was hard wired. (Detectors need to meet current code-photoelectric, battery backup, if Smoke/CO's used must have voice).
- 4) If no existing hard wired system exists one BRK One Link combo unit to be installed and meet the current building code, (UL Listed & Approved).
- 5) Construct a 4'x 4' floor to ceiling 1 hour rated room to house/contain the battery units if existing construction does not meet the 1 hour requirement.
- 6) Fire rated room to have a 1 hour fire rated door.
- 7) All areas will be marked and labeled in accordance with the Massachusetts Electrical Code and the Sharon Fire Department.
- 8) All installations shall be submitted for approval with the Building, Fire and Electrical departments before installation.
- 9) Inside garage ESS installs will require protection from vehicles (4" ballards secured into concrete) and additional 5/8" sheet rock installed 24" on walls outside of batteries and 3'x 3' secured to garage ceiling above.

Exterior Garage Install:

- 1) Non-combustible wall with 24" clearance around all sides of ESS batteries.
- 2) Non-combustible roof above exterior ESS wall with 18"-24" overhang installed 24" above batteries. This protection is also for falling tree/snow to prevent the batteries from being damaged/removed from wall.
- 3) If ESS system is installed within 24" of driveway, then protection from vehicle damage will be required.

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