



Energy Storage System Requirements (ESS)

Energy storage systems (ESS) shall comply with 2023 Florida Building Code R328.

Exceptions:

- *ESS listed and labeled in accordance with UL 9540 and marked “For use in residential dwelling units” where installed in accordance with the manufacturer’s instructions and NFPA 70.*
- *ESS less than 1 kWh (3.6 megajoules).*

Residential Permit Application Checklist

Floor Plan/Site Plan

- Floor plan showing proposed ESS location, clearances, fire separation of area to habitable space and location of interconnected smoke detector at storage location for indoor installation.
- Exterior site plan showing location of proposed equipment and storage system for outdoor installation.

Protection from Impact

- Provide Protection from impact- ESS installed in a location subject to vehicle damage shall be protected by approved barriers.

Fire Detection

- Indicate Fire Detection-Rooms and areas within dwelling units, basements and attached garages in which ESS are installed shall be protected by smoke alarms in accordance with 2023 Florida Building Code Section R314. A heat detector, listed and interconnected to the smoke alarms, shall be installed in locations within dwelling units and attached garages where smoke alarms cannot be installed based on their listing.
- Indicate elevation of equipment and storage system if structure is located within a designated FEMA flood hazard zone.

Manufacturer Submittals

- Provide manufacturers submittals for ESS. ESS shall be installed in accordance with NFPA 70. Inverters shall be listed and labeled in accordance with UL 1741 or provided as part of the UL 9540 listing.
- Systems connected to the utility grid shall use inverters listed for utility interaction.
- Provide manufacturers submittals for ESS.

Electrical Diagram

- Electrical diagram/worksheets should show (WHRE APPLICABLE) energy storage system configuration, wiring system, overcurrent protection, inverter, disconnects, required signs, and AC connection to the building.