

WAC 51-51-0329 Section R329—Energy storage systems.

R329.1 General. *Energy storage systems* (ESS) shall comply with the provisions of this section.

R329.2 Equipment listings. ESS shall be *listed* and *labeled* for residential use in accordance with UL 9540.

EXCEPTIONS:

1. Where approved, repurposed unlisted battery systems from electric vehicles are allowed to be installed outdoors or in detached sheds located not less than 5 feet (1524 mm) from exterior walls, property lines and public ways.
2. Battery systems that are an integral part of an electric vehicle are allowed provided that the installation complies with Section 625.48 of NFPA 70.
3. Battery systems less than 1 kWh (3.6 megajoules).

R329.3 Installation. ESS shall be installed in accordance with the manufacturer's instructions and their listing, if applicable, and shall not be installed within the habitable space of a *dwelling unit*.

R329.4 Electrical installation. 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.

R329.5 Ventilation. Indoor installations of ESS that include batteries that produce hydrogen or other flammable gases during charging shall be provided with ventilation in accordance with Section M1307.4.

R329.6 Commissioning. ESS shall be commissioned as follows:

1. Verify that the system is installed in accordance with the approved plans and manufacturer's instructions and is operating properly.
2. Provide a copy of the manufacturer's installation, operation, maintenance, and decommissioning instructions provided with the *listed* system.
3. Provide a label on the installed system containing the contact information for the qualified maintenance and service providers.

R329.6.1 Installation prior to closing. Where the system is installed in a one- or two-family dwelling or townhouse unit that is owned by the builder and has yet to be sold, commissioning shall be conducted as outlined in Section R329.6, and the builder shall then transfer the required information in Section R329.6 to the homeowner when the property is transferred to the owner at the closing.

R329.7 Protection from impact. ESS installed in a location subject to vehicle damage shall be protected by approved barriers.

[Statutory Authority: RCW 19.27.031 and 19.27.074. WSR 20-03-023, § 51-51-0329, filed 1/6/20, effective 7/1/20; WSR 16-03-025, § 51-51-0329, filed 1/11/16, effective 7/1/16.]