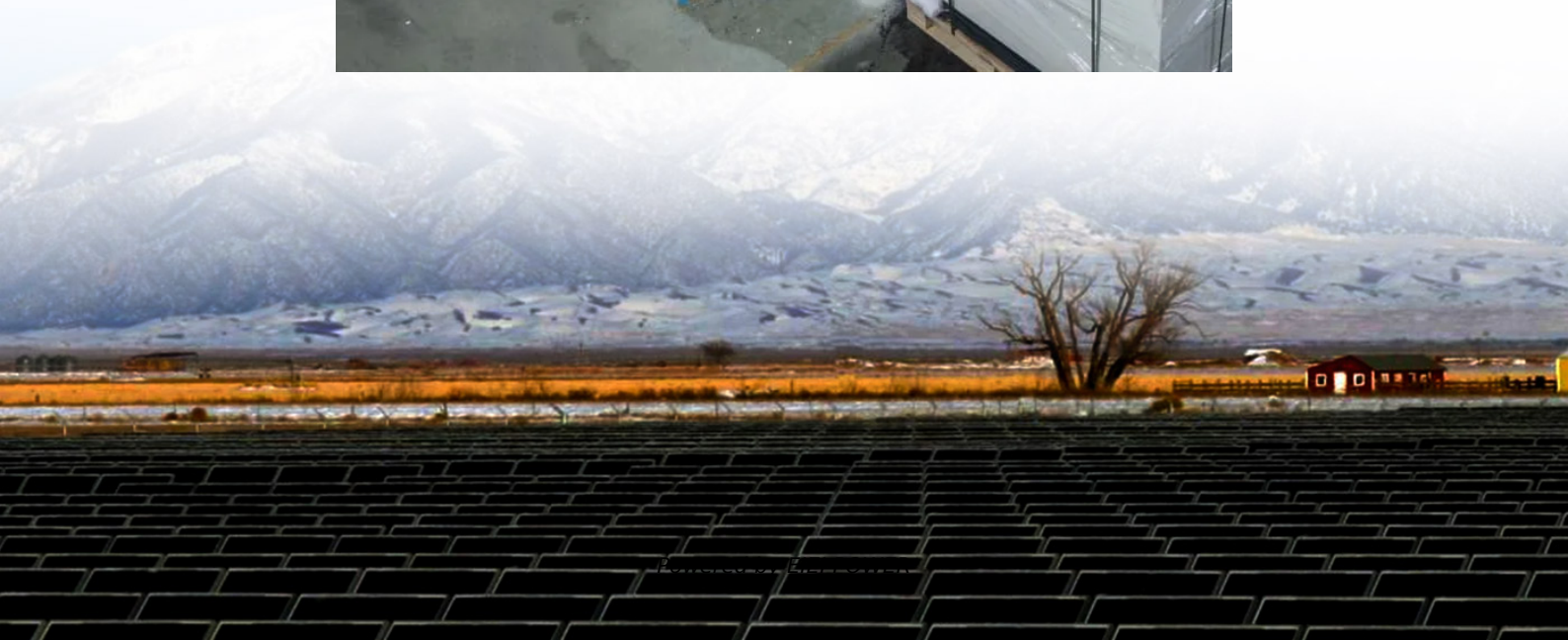


Energy storage product life standards





Overview

Are energy storage systems compliant?

Energy storage systems continue to be a rapidly evolving industry. Thus, the key to safe and up-to-date compliance requirements involves the adoption and application of codes and standards in addition to the development or writing of codes and standards.

Does industry need standards for energy storage?

As cited in the DOE OE ES Program Plan, “Industry requires specifications of standards for characterizing the performance of energy storage under grid conditions and for modeling behavior. Discussions with industry professionals indicate a significant need for standards . ” [1, p. 30].

How are energy storage systems regulated?

In some contexts, for energy storage systems, compliance regulations take the form of a state adopting a code, which then references and requires testing and listing or adherence to a standard. Some cities, counties, and special administrative districts (e.g., school or sewer districts) also adopt locally amended codes for their environments.

Why are energy storage systems important?

As renewable energy adoption grows, energy storage systems (ESS) have become critical for balancing supply and demand, improving reliability, and supporting grid resilience. To ensure safety, performance, and interoperability, the International Electrotechnical Commission (IEC) developed the IEC 62933 series, a set of globally recognized standards.



Energy storage product life standards

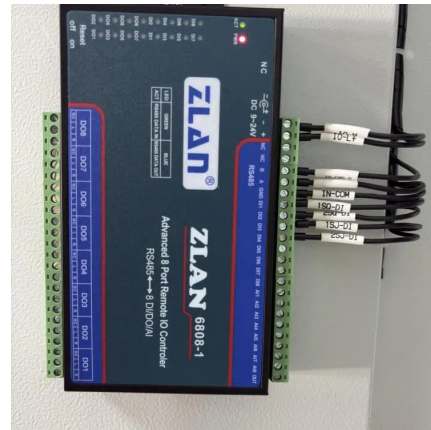


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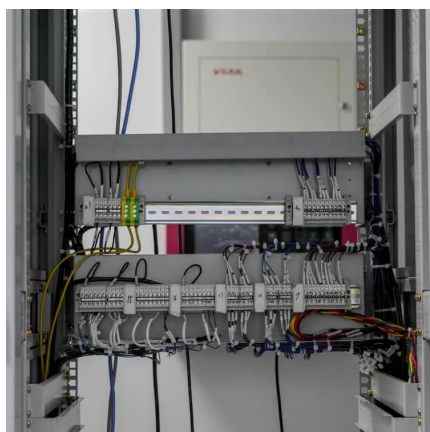


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