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Energy Storage Container 350kW vs Diesel Engine Product Warranty





Overview

Does the warranty model for energy storage systems keep pace?

Inflexible and complex, the warranty model for energy storage systems has failed to keep pace with rapid market growth, the authors argue. This is an extract of a feature article that originally appeared in Vol.41 of PV Tech Power, Solar Media's quarterly journal covering the solar and storage industries.

How do we review capacity warranties?

When we review capacity warranties we take a close look not only at the annual degradation curve provided, but at how it is measured, how performance is calculated, and any other operational restrictions imposed upon the project for the warranty to remain valid. Typical terms are shown in the table below, which is by no means comprehensive.

What is a battery energy storage system (BESS) warranty?

As challenging as warranties are for battery energy storage system (BESS) owners and operators, it is possible for there to be more clarity. Look no further than how the automotive industry handles electric vehicle warranties. They are simple and flexible, typically covering time (usually eight years) and mileage (usually 100,000 miles).

Do you need a warranty for energy storage?

It does not matter if you accelerate fast and brake hard, run your gas tank to empty, and never change your oil! Operational requirements are common in energy storage warranties. Even with significant improvements in cell and system technology alongside cost reductions, warranty terms have become more complex.



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The goal is always to focus on identifying ways a product can meet or exceed the performance expectations backstopped by warranties or guarantees. Nevertheless, warranties remain ...



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