



FTMRS SOLAR

Distributed solar energy storage benefits





Overview

What is distributed energy storage?

Distributed energy storage is a solution for increasing self-consumption of variable renewable energy such as solar and wind energy at the end user site. Small-scale energy storage systems can be centrally coordinated by "aggregation" to offer different services to the grid, such as operational flexibility and peak shaving.

What are distributed energy resources?

Distributed energy resources, or DER, are small-scale energy systems that power a nearby location. DER can be connected to electric grids or isolated, with energy flowing only to specific sites or functions. DER include both energy generation technologies and energy storage systems.

How does storage aggregation affect private benefits?

Private benefits of storage aggregation drops by 20% if aggregated storage devices increase five-fold. Distributed energy storage is a solution for increasing self-consumption of variable renewable energy such as solar and wind energy at the end user site.

What is distributed energy generation?

When energy generation occurs through distributed energy resources, it's referred to as distributed generation. While DER systems use a variety of energy sources, they're often associated with renewable energy technologies such as rooftop solar panels and small wind turbines.



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