



EPC cost standards for energy storage projects

What are EPC costs?

EPC encompass the remaining costs for a turnkey project. The main cost segments are installation, project management, engineering, shipping, and commissioning. Variations in EPC costs may arise from specific site conditions or project requirements.

What is energy storage price?

The price is the expected installed capital cost of an energy storage system. Because the capital cost of these systems will vary depending on the power (kW) and energy (kWh) rating of the system, a range of system prices is provided.

What is the Energy Storage pricing survey (ESPs)?

3. Purpose The annual Energy Storage Pricing Survey (ESPS) is designed to provide a reference system price to market participants, government officials, and financial industry participants for a variety of energy storage technologies at different power and energy ratings.

Why are energy costs presented in \$/kW and \$/kWh?

Costs are presented in \$/kW per the convention used for expressing generator costs and also in \$/kWh due to energy storage being an energy limited device. Caution should be used in evaluating installed costs simply through \$/kW or \$/kWh values, as scale and energy duration characteristics impact a specific project's overall economics.

How did EPRI develop a cost range?

EPRI combined data from EPRI and utility projects with publicly available and paid cost and technology reports to develop initial performance assumptions and cost ranges. EPRI also conducted interviews with other cost analysts to understand underlying assumptions in order to ensure that the data used in this study were consistent.

What are the different types of energy storage systems?

The survey methodology breaks down the cost of an energy storage system into the following categories: storage module, balance of system, power conversion system, energy management system, and the engineering, procurement, and construction costs.

Discover how EPC contracts make or break modern energy storage initiatives in an era where global battery capacity is projected to reach 1.8 TWh by 2030 [1]. This guide cuts through the ...

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