Hybrid PV power station price trend

Overview

This data product presents an annual snapshot of trends in hybrid and co-located power plants. It summarizes public empirical data, especially from the U. Energy Information Administration (EIA), the Federal Energy Regulatory Commission (FERC), and transmission provider. The report also surveys power purchase agreement (PPA) price data from a sample of operating and proposed PV+storage plants. PV+storage PPA prices have begun to increase, and “levelized storage adders” have recently increased as well to ~$10000/MW-month, ~$80/MWh-stored (assuming one full cycle per. Each year, the U. Department of Energy (DOE) Solar Energy Technologies Office (SETO) and its national laboratory partners analyze cost data for U. solar photovoltaic (PV) systems to develop cost benchmarks. Sixty-eight of these 105 PPAs are from operating PV+storage plants, while the other 37 plants are still under construction or in development.

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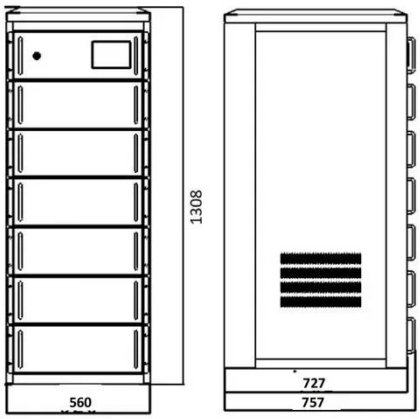

2023 Was Another Big Year for Newly Installed & Proposed Hybrid Power

PV+storage PPA prices have started to increase since 2020 (left graph, below), though such price increases do not seem to have put a damper on interest in developing these hybrids.

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Hybrid Power Plants: Status of Operating and Proposed Plants, 2023

Some of the recent price increase could simply reflect a trend towards higher battery:PV capacity ratios over time, which increases costs, all else being equal.

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