

How much GW does Vietnam have energy storage batteries





Overview

Can battery energy storage systems improve power system flexibility?

Recently, Vietnam's National Power Transmission Corporation (EVNNPT) shared that it is looking into Battery Energy Storage Systems (BESS) among several technology options as an appropriate solution. This technology can enhance power system flexibility and enable high levels of renewable energy integration.

Does Vietnam have a high electricity consumption?

Vietnam's electricity consumption in recent years has regularly grown at a high rate to meet the energy demand for socio-economic development. The growth of power consumption in Vietnam from 2011 to 2022 is summarized in Figure 1-1 and Figure 1-2.

How many solar power plants are there in Vietnam?

From 2019 onwards, the government enacted the renewable energy development mechanisms, thus, solar and wind power sources have developed significantly. By 2022, Vietnam's power system had over 16 GW of solar power (including rooftop solar power) and 5 GW conventional of wind power. The power plants had a total installed capacity of about 59.

How much power does Vietnam have?

The growth of the installed capacity in the period of 2011 - 2022 is shown in Figure 1-4. In this period, the total installed capacity grew from 23 GW to over 80 GW with the average rate of 12% per year. Before 2019, Vietnam's power sources were mostly traditional plants, such as coal-fired, gas-fired, and hydropower plants.



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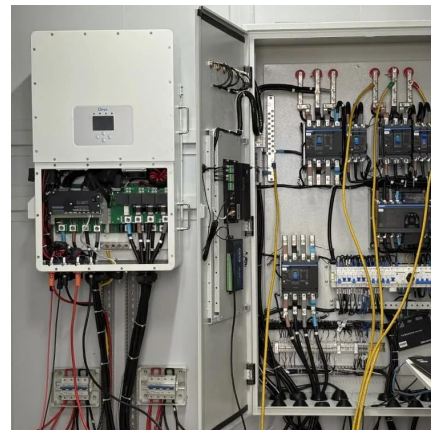


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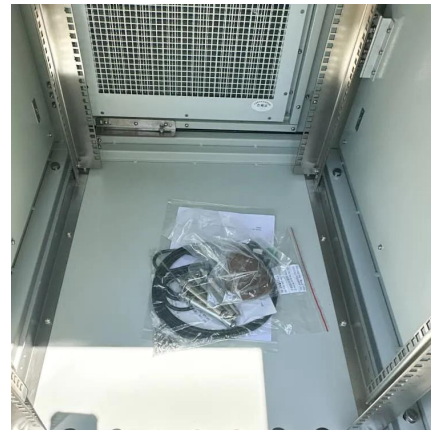


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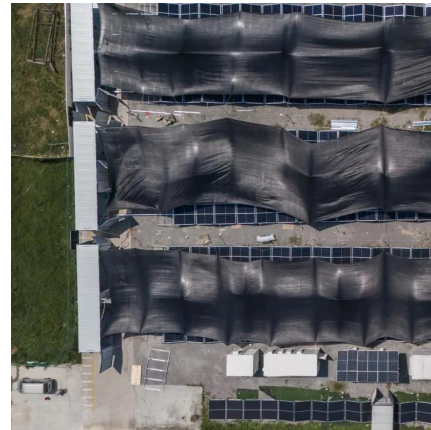
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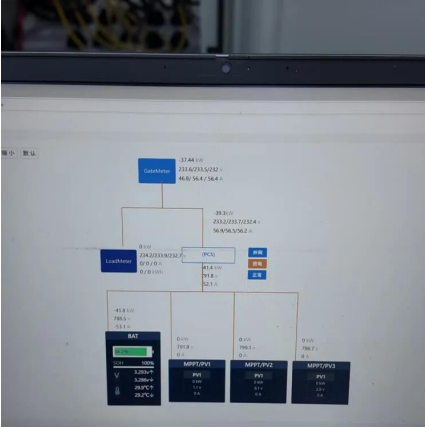
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