



# Average industrial energy storage price per 20kW in Vietnam

How much does electricity cost in Vietnam?

In May 2025, and Vietnam's average electricity price per kWh was set at VND 2,204.07 or about US \$0.084, excluding value-added tax (VAT), per Decision 599/QD-EVN. This was an increase from an average electricity price per kWh of VND 2,103.1159 or about US \$0.0836, excluding value-added tax (VAT), per Decision 2699/QD-BCT, from October 2024.

Why is utility-scale battery storage important in Vietnam?

Utility-scale battery storage is pivotal in supporting Vietnam's renewable energy goals by stabilizing the grid amidst fluctuating energy supplies from solar and wind sources. Strategic partnerships are fostering the integration of large-scale battery systems, which are essential for accommodating new renewable capacities.

Who manages the electricity market in Vietnam?

The Ministry of Industry and Transport is the government body in charge of managing Vietnam's electricity market and supply. It does this through the wholly state-owned power company Electricity Vietnam commonly known as EVN. EVN generates some power, but also buys power from wholesalers, and sells electricity to consumers.

How does EVN manage the electricity market in Vietnam?

Understanding these layered dynamics is essential for cost forecasting, risk assessment, and long-term investment planning. The Ministry of Industry and Transport is the government body in charge of managing Vietnam's electricity market and supply. It does this through the wholly state-owned power company Electricity Vietnam commonly known as EVN.

How are electricity prices regulated in Vietnam?

Electricity prices in Vietnam are regulated by the government and vary by sector, voltage level, time of day (normal, off-peak, peak), and geography. Businesses in industrial parks, service sectors, or using wholesale arrangements may face different pricing structures.

Is coal a viable source of energy in Vietnam?

Vietnam's coal power industry remains a dominant source of energy, accounting for nearly half of the country's electricity generation. The rapid economic growth and industrialisation over the past two decades have led to a significant increase in energy demand, making coal a reliable and affordable option to meet these needs.

The burgeoning energy storage sector in Vietnam is primarily a response to the pressing need for sustainable energy sources in the face of rising electricity demand, environmental concerns, and a commitment to global

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The State of Vietnam or the Socialist Republic of Vietnam is located on the Indochina Peninsula in Southeast Asia. Vietnam has land borders with Laos and Cambodia in the west and China in the north. In the east and in ...

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The Vietnam battery energy storage market focuses on energy storage systems that use batteries to store electrical energy for various applications, including renewable energy integration and ...

BESS begins to become cost-effective in Vietnam at the lowest price point evaluated: \$200/kW + \$100/kWh. This converts to a total of \$400/kW all-in for a 2-hour BESS or \$600/kW all-in for a 4 ...

Market Forecast By Type (Pumped-Hydro Storage, Battery Energy Storage Systems, Others), By Application (Residential, Commercial, Industrial) And Competitive Landscape

The average 2024 price of a BESS 20-foot DC container in the US is expected to come down to US\$148/kWh, down from US\$180/kWh last year, a similar fall to that seen in 2023, as reported by Energy-Storage.news, when CEA launched ...

5 &#0183; - For floating solar power plants with battery storage systems, the maximum price (excluding value-added tax) for the Northern region is VND 1,876.57/kWh; the Central region is ...

Navigating Vietnam's Rising Electricity Costs: What Consumers Need to Know Vietnamese households and businesses are feeling the pinch of rising electricity prices. ...

The average retail electricity price is determined peri-odically by calculating total production and business costs, plus a reasonable average profit margin, per kWh of commercial electricity.

What is a 20kW Solar Battery System? A 20kW solar battery system combines high-capacity solar panels with a robust battery storage solution. It is ideal for medium to large households or ...

The Current State of Electricity Prices in Vietnam As of 2023, the average electricity price in Vietnam is approximately 1,900 VND per kWh, a figure that reflects ongoing ...

Grid-scale battery costs can be measured in \$/kW or \$/kWh terms. Thinking in kW terms is more helpful for modelling grid resiliency. A good rule of thumb is that grid-scale ...

Viet Nam needs to consider the development of a battery energy storage system (BESS) to ensure energy security and sustainable development, experts have said.



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What are the retail electricity prices for manufacturing industries in Vietnam from November 9, 2023? On November 8, 2023, the Ministry of Industry and Trade issued Decision 2941/QĐ-BCT dated November ...

Base year installed capital costs for BESS in terms of \$/kWh decrease with duration, and costs in \$/kW increase. This inverse behavior is observed for all energy storage technologies and highlights the importance of distinguishing ...

The map shows the price of electricity for industrial use per kWh. The data on the map are for 132 countries and were collected in 2024 Q4. The latest data and historical series are available for download. The prices are calculated using ...

Current costs for commercial and industrial BESS are based on NREL's bottom-up BESS cost model using the data and methodology of (Feldman et al., 2021), who estimated costs for a ...

The battery storage technologies do not calculate levelized cost of energy (LCOE) or levelized cost of storage (LCOS) and so do not use financial assumptions. Therefore, all parameters are ...

Discover the true cost of commercial battery energy storage systems (ESS) in 2025. GSL Energy breaks down average prices, key cost factors, and why now is the best time ...

Discover the MEGATRON Series - 50 to 200kW Battery Energy Storage Systems (BESS) tailored for commercial and industrial applications. These systems are install-ready and cost-effective, ...

Electricity retail prices in Vietnam went up 4.5%, starting Thursday, state utility Vietnam Electricity (EVN) announced on the same day. The price adjustment was given in-principle nods from the government and the ...

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One of the key highlights of Vietnam's revised Power Development Plan VIII (PDP8) is the significant increase in the targets for Battery Energy Storage Systems (BESS).

Vietnam's latest retail electricity pricing framework introduces an average rate ranging from VND 1,826.22 to VND 2,444.09 per kilowatt-hour (roughly up to USD 0.10 per kWh). The new cap provides more structure and ...

The next table shows the electricity rates per kWh. In the calculations, we use the average annual household electricity consumption and, for business, we use 1,000,000 kWh ...



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