

Global PV Storage Insights

Average residential ESS price per 20kWh in Vietnam



Overview

The residential electricity price in Vietnam is VND 1,956.000 per kWh or USD 0.074. The electricity price for businesses is VND 1,993.200 kWh or USD 0.076. These retail prices were collected in December 2024 and include the cost of power, distribution and transmission, and all taxes.

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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 transparency for households and businesses while ensuring the energy market can.

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).

As of 2023, the average electricity price in Vietnam is approximately 1,900 VND per kWh, a figure that reflects ongoing adjustments in the energy market. The state-owned utility company, Electricity of Vietnam (EVN), primarily sets these tariffs. The costs can vary based on several factors.

Under Decision No. 599/QD-EVN dated 7 May 2025, EVN declared the average retail electricity price (excluding VAT) as of 10 May 2025 is VND 2,204.0655/kWh. The following table is the retail electricity tariff structure attached to Decision 14: For reference, the time-of-use for electricity during.

Effective October 11, 2024, the national utility, EVN, has raised the average retail electricity price by 4.8%. This translates to a new rate of VNĐ2,103.1159 per kilowatt-hour, excluding Value Added Tax, up from the previous VNĐ2,006.79. You might want to ask?

View more Vietnamese households and. How much does electricity cost in Vietnam?

The electricity price for businesses is VND 1,993.200 kWh or USD 0.076. These retail prices were collected in December 2024 and include the cost of power, distribution and transmission, and all taxes and fees. Compare Vietnam with 150 other countries. Historical quarterly data, along with the latest update from June 2025 are available for download.

Does EVN sell electricity in Vietnam?

Retail electricity prices in Vietnam are regulated and, though permitted, price rises are not all that common. This has led to EVN selling electricity below cost price — In January of 2024, it was losing as much as VNĐ 142.5 per kilowatt-hour sold.

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.

Why is electricity pricing important in Vietnam?

Electricity pricing has far-reaching implications, as energy accounts for approximately 15% of Vietnam's GDP. That makes MOIT's decisions central to the nation's economic planning and clean energy roadmap. [A Look Toward a Smarter Energy Future.](#)

How much does electricity cost in India?

Under the new pricing framework issued by the Ministry of Industry and Trade on May 9, electricity prices vary significantly across user categories. For households, residential electricity is divided into six pricing tiers. The lowest tier is VNĐ 1,984/kWh, while the sixth and highest tier is VNĐ 3,460/kWh.

How much did power shortages cost Vietnam in 2023?

In 2023, power shortages were estimated to have cost Vietnam's economy an estimated US\$1.4 billion. This was attributed to water shortages for hydropower and a lack of a sufficient supply of coal, however, underinvestment in power infrastructure also played a role.

Average residential ESS price per 20kWh in Vietnam



What Does Green Energy Storage Cost in 2025?

In 2025, you're looking at an average cost of about \$152 per kilowatt-hour (kWh) for lithium-ion battery packs, which represents a 7% increase since 2021. Energy storage systems (ESS) for ...

Electricity price and residential electricity demand in Vietnam

In Vietnam, the 2019 average retail electricity price was about 8.1 US cents/kWh, compared to 14 US cents/kWh in the United States and 31 US cents/kWh in Germany in 2018 ...



Residential PV-ESS System Market

The average residential PV-ESS installation cost in Germany exceeds EUR18,000 (\$19,500), requiring households to commit significant savings or secure loans. While government ...

How much does electricity cost in Vietnam?

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



BNEF finds 40% year-on-year drop in BESS costs

However, while the falling prices of materials significantly helped along the drop last year (also evident in a 20% fall in average battery pack prices), there are a myriad of other factors which have driven that reduction, ...



Vietnam's Electricity Pricing: What You Need to Know

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).



ESS Price per kWh in 2025: Trends, Costs, and Key Savings

...

Why ESS Prices per kWh Are Dropping Faster Than Expected You've probably heard the buzz about energy storage systems (ESS) becoming more affordable, but did you know lithium-ion ...

Coremax 20kwh CATL LiFePo4 solar energy storage ...

This is a combination 2pcs CMX48200W for residential energy storage system. Total 51.2v 400Ah. Rated energy 20 kwh. This small 20kwh is suitable for a normal home use. Can work with many different brand inverters. ...



Energy Storage Cost and Performance Database

The interactive figure below presents results on the total installed ESS cost ranges by technology, year, power capacity (MW), and duration (hr). Note that for gravitational and hydrogen systems, capital costs shown represent 2021 ...

How Much Is Electricity in Vietnam? Unveiling the Costs Behind ...

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 ...



Vietnam Electricity increases average retail price by ...

State utility Vietnam Electricity (EVN) on Friday increased the average retail price by 4.8% to VND2,103.1 (8.5 U.S. cents) per kWh, not including value-added tax (VAT), with immediate effect. In a statement on the ...

1MWh-3MWh Energy Storage System With Solar Cost ...

PVMars lists the costs of 1mwh-3mwh energy storage system (ESS) with solar here (lithium battery design). The price unit is each watt/hour, total price is calculated as: $0.2 \text{ US\$} * 2000,000 \text{ Wh} = 400,000 \text{ US\$}$. When solar modules ...

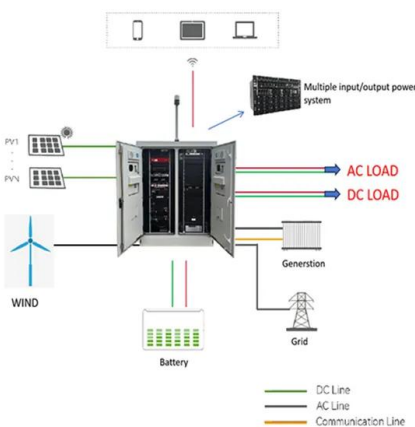


Vietnam raises electricity prices: Businesses pay up to VND ...

Starting May 10, Vietnam officially raised its average retail electricity price by 4.8%, increasing from VND 2,103.12/kWh to approximately VND 2,204.07/kWh (excluding VAT).

What Is ESS Battery Cost Per kWh?

ESS battery costs per kWh vary significantly based on system configuration, chemistry, and scale. As of mid-2025, lithium iron phosphate (LFP) battery cells for energy ...



NEMS Prices

The data availability is denoted in the bracket, where D is the trading day followed by the number of business days. Data can be downloaded in CSV format for periods covering up to 31 days ...

BESS Costs Analysis: Understanding the True Costs of Battery ...

Battery Energy Storage Systems (BESS) are becoming essential in the shift towards renewable energy, providing solutions for grid stability, energy management, and ...



Electricity prices around the world

Residential and business electricity rates in 150 countries around the world. Several data points for low, medium and high consumption. Final retail prices with all taxes and fees included. Updated quarterly since 2019 to present.

Vietnam's electricity prices rise 4.8%, marking 4th hike since 2023

Vietnam Electricity (EVN) announced on Friday the increase of the average retail electricity price by 4.8 percent starting Saturday, bringing the new rate to VND2,204.06 ...

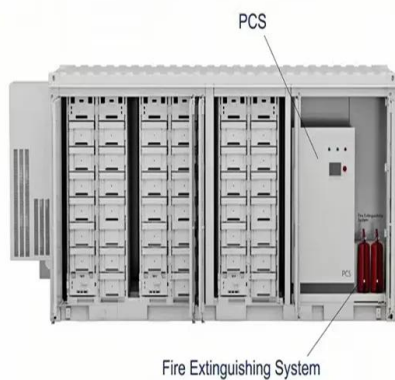
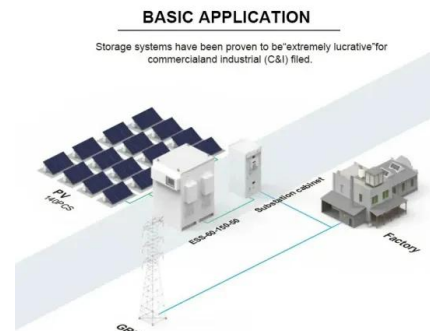


Vietnam - ASEAN Energy Database System (AEDS)

The residential electricity price is purchased at 0.07 USD/kWh and consumed by citizens on the average of 1,809 kWh per capita. As of 2018, the power production is dominated by coal with a ...

Vietnam increases average electricity retail price

16 March 2023 On 3 February 2023, the Vietnam Prime Minister announced a new price bracket of average electricity retail price in Decision No. 02/2023/QĐ-TTg (" Decision 02 "), which ...



Vietnam increases retail electricity price bracket , US ABC

Previously, the average electricity retail price was VND1,864.44 per kWh (US\$0.08 per kWh). EVN had previously proposed to increase retail prices by approximately 10 ...

Vietnam raises electricity prices: Businesses pay up to VND ...

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TAX FREE

Product Model
HJ-ESS-215A(100KW/215KWh)
HJ-ESS-115A(50KW 115KWh)

Dimensions
1600*1280*2200mm
1600*1200*2000mm

Rated Battery Capacity
215KWH/115KWH

Battery Cooling Method
Air Cooled/Liquid Cooled



Average Solar Battery Prices , Updated Quarterly

Average battery price per warrantied kWh - August 2025 Batteries usually come with a 10-year warranty and a performance guarantee which ensures a minimum threshold of power can be discharged through the ...

Compare Electricity Rates by State , SaveOnEnergy

Compare electricity rates by state: August 2025
The average residential electricity rate in the U.S. is 17.47 ¢ per kilowatt-hour (kWh). This data is based on the most recent ...



Electricity in Vietnam 2025: Pricing, Shortages, Supply & Sources

Electricity prices 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 ...

Solar Photovoltaic System Cost Benchmarks

The U.S. Department of Energy's solar office and its national laboratory partners analyze cost data for U.S. solar photovoltaic systems to develop cost benchmarks to measure progress towards goals and guide research and development ...



How Much Is Electricity in Vietnam? Unveiling the Costs Behind ...

Discover how much electricity is in Vietnam, exploring costs, tariffs, and the impact on daily life in this vibrant Southeast Asian country.

BESS prices in US market to fall a further 18% in ...

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 ...



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