

Average residential ESS price per 50kW 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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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.

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.

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.

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 replaces Decision No. 34/2017/QĐ-TTg dated 25 July 2017 on the same matter. Decision 02 came into force on its issuance. 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.

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.

What is the lowest electricity price in India?

Remarkably, the lowest electricity price for manufacturers is VND 1,146/kWh - applicable during off-peak hours at voltages of 110 kV and above. This is VND 838/kWh lower than the lowest residential rate.

What is a retail electricity rate?

Retail electricity for commercial use is divided into three voltage levels, with rates varying depending on time of use. The lowest business rate is VND 1,829/kWh (for off-peak hours at voltages between 6 kV and 22 kV), which is VND 683/kWh higher than the lowest manufacturing rate and just VND 155/kWh below the lowest residential rate.

Can businesses buy power from power generators in Vietnam?

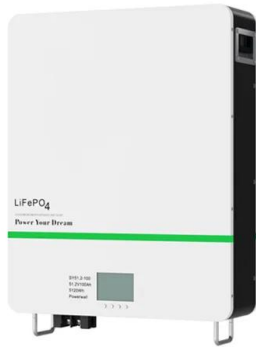
Vietnam issued a decree on Direct Power Purchase Agreements on July 3, 2024, clearing the way for businesses to buy power directly from power generators. The decree was a long time coming and has been touted as a critical component to developing Vietnam’s electricity network.

What does the new energy framework mean for Vietnam?

This new framework marks a pivotal point in Vietnam’s energy evolution. It

challenges consumers to think beyond cost and toward long-term sustainability, and it signals that national energy strategy is becoming more responsive, equitable, and forward-looking. Save my name, email, and website in this browser for the next time I comment.

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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).

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 ...



How much does electricity cost in Vietnam?

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 VN?2,103.1159 per kilowatt ...

Vietnam Sets New Electricity Pricing Framework

Vietnam has set a new framework for average

retail electricity prices, with rates ranging from VN?1,826.22 to VN?2,444.09 per kWh. The new pricing structure excludes VAT ...



Vietnam's Electricity Pricing: What You Need to Know

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Vietnam's 2025 Retail Electricity Rates

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 ...



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 ...



Spring 2024 Solar Industry Update

The median price for residential PV systems reported by EnergySage increased 6.3% y/y to \$2.8/Wdc--in-line with mid-2020 price levels. Global polysilicon spot prices fell 22% from mid ...



Summary: Techno-Economic Analysis of Solar Photovoltaics

...

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 ...

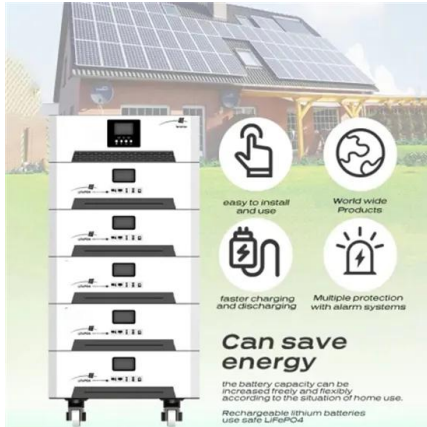
kWh Cost Calculator: Convert kWh To US Dollars (\$)

In 2021, an average US household spent 886 kWh per month, according to EIA. If you know how many kilowatt-hours (kWh) of electricity you are spending, you can easily calculate how much it will cost (in US dollars). To help you out with this ...



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 ...



Energy Storage Systems (ESS) Market in Vietnam-Manufacturing ...

New Report On Energy Storage Systems (ESS) Market in Vietnam-Manufacturing and Consumption, Outlook and Forecast 2020-2026 added to Orbisresearch store which has ...



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 ...

Cost Projections for Utility-Scale Battery Storage: 2023 Update

The \$/kWh costs we report can be converted to \$/kW costs simply by multiplying by the duration (e.g., a \$300/kWh, 4-hour battery would have a power capacity cost of \$1200/kW). To develop ...





✓ TELECOM CABINET

✓ BRAND NEW ORIGINAL

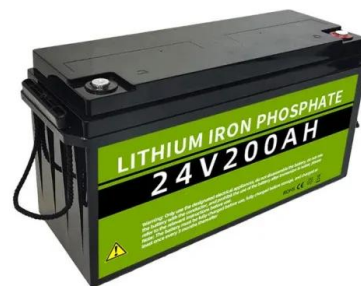
✓ HIGH-EFFICIENCY

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).

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. ...



Residential All-In-One Energy Storage Systems (ESS) Market

These converging factors drive average residential ESS prices to \$1,200-\$1,500 per kWh in 2024, with lead times stretching to 9-14 months for customized configurations.

Energy Storage ESS Cabinet with 50kW Lithium Battery , Anern

The 50KW 114KWH ESS energy storage system cabinet is a high-performance, compact solution for efficient energy storage and management. Equipped with advanced LFP battery ...



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 four-hour durations exceed \$300/kWh, marking the ...

50kVA 50kW Solar Power Plant And Price

How much electricity can a 50kW solar panel produce? Based on the average lighting time of about 4-6 hours, a 50kw solar panel can generate 200kWh-300kWh per day, about 9000kWh ...



U.S. Residential Lithium-ion Battery Energy Storage System Market

The U.S. residential energy storage systems market witnessed swift growth in the last few years. As a result, imports of residential ESS have rapidly increased after 2020. ...

Residential Energy Storage Systems Market Analysis , Industry ...

Residential Energy Storage Market Size - Industry Report on Share, Growth Trends & Forecasts Analysis (2025 - 2030) The Report Covers Global Residential Energy ...



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 ...



Residential Energy Storage: U.S. Manufacturing and Imports ...

The residential energy storage system (ESS) market was dominated by Tesla in 2020 and, as a result, domestic production met most U.S. demand. Smaller U.S. producers are also benefiting ...



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). The new cap provides more structure and ...



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 ...



The Real Cost of Commercial Battery Energy Storage in 2025

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 ...

Review on Energy Storage Systems (ESS) -A Study ...

In this paper we discussed the effectiveness of ESS Solution in Vietnam's Solar Energy Storage. Vietnam is one of Asia's fastest expanding energy markets. Vietnam's government predicts the





Voltage range: 91.2-947.2V
 >6000 cycles (100%DOD)
 Rated battery capacity:
 216KWH (customizable)
 EMS communication:
 4G/CAN/RS485

Commercial & Industrial ESS Solutions

Our Commercial & Industrial ESS Solutions caters to the energy demands of various business scenarios, achieving peak shaving and valley filling.

How to Determine the Right Size Energy Storage System for ...

In a world increasingly reliant on electricity and facing the challenges of climate change, energy storage systems (ESS) are becoming a crucial component of both residential ...



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 ...

Sungrow Unveils Next-Generation Residential ESS

PHU QUOC ISLAND, Vietnam, July 18, 2025 /CNW/
 -- Sungrow, the global leading PV inverter and energy storage system provider, successfully unveils its next ...



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