

Global PV Storage Insights

Average residential ESS price per 500MW in Vietnam



Overview

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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 and fees.

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.

Specifically, Vietnam's electricity price TTTT for households using 0-100 kWh/month increased from 1,549 VND/kWh to 1,694 VND/kWh. For households using 101-200 kWh/month, the electricity price increased from 1,858 VND/kWh to 2,025 VND/kWh. Households using 201-400 kWh/month also have to pay higher.

On 3 February 2023, the Vietnam Prime Minister announced a new price bracket of average electricity retail price in Decision No. 02/2023/QD-TTg ("Decision 02"), which replaces Decision No. 34/2017/QD-TTg dated 25 July 2017 on the same matter. Decision 02 came into force on its issuance.

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.

How much does a kWh cost in Hanoi?

(Photo: VNA) Hanoi (VNS/VNA) - The bracket of average electricity retail prices has been increased to 1,826.22 VND (0.078 USD) per kWh for the floor price and 2,444.09 VND (0.1 USD) for the ceiling price, according to the Prime Minister's Decision No 02/2023/QĐ-TTg dated on February 3.

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.

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.

Average residential ESS price per 500MW in Vietnam



Costs of 1 MW Battery Storage Systems 1 MW / 1 ...

Discover the factors affecting the Costs of 1 MW Battery storage systems, crucial for planning sustainable energy projects, and learn about the market trends!

[Shire Oak Vietnam BESS Presentation](#)

The challenge: Supply and Demand Vietnam's installed power production capacity is over 56,000 MW. The overall installed power source capacity of the Vietnamese electrical system is around ...



[cost of bess per mwh](#)

Wholesale electricity prices are average day-ahead spot prices per MWh sold per time period, sourced from ENTSO-E and EMRS. Prices have been converted from £/MWh to EUR/MWh for the ...



Electricity market development in Vietnam: Historical trends and ...

This study discusses electricity market development in Vietnam, focusing on key

achievements and future possibilities. The empirical analysis involves...



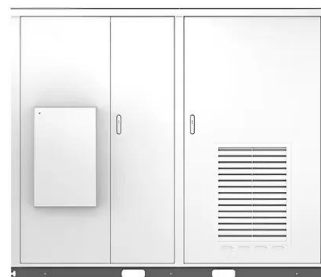
Cost Projections for Utility-Scale Battery Storage: 2023 Update

Executive Summary In this work we describe the development of cost and performance projections for utility-scale lithium-ion battery systems, with a focus on 4-hour duration ...

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).

Solar



Energy Storage System Price Trends and Cost-Saving Solutions ...

Over the past 3 years, the average energy storage system price has dropped by 28% worldwide. What's driving this downward trend? Technological breakthroughs in lithium-ion batteries, ...

How much does electricity cost in Vietnam?

Vietnam's electricity consumers are facing higher bills. Effective October 11, 2024, the national utility, EVN, has raised the average retail electricity price by 4.8%. This ...



U.S. Solar Photovoltaic System and Energy Storage Cost

Fewer companies work on nonresidential and utility-scale projects than on residential projects, and the business operations, supply chains, and cost structures of the companies that take on ...

Vietnam Sets New Electricity Pricing Framework

Vietnam has set a new framework for average retail electricity prices, with rates ranging from VND1,826.22 to VND2,444.09 per kWh. The new pricing structure excludes VAT ...



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 ...

Vietnam's Solar Energy Market: A Comprehensive ...

Vietnam's solar energy market, driven by high solar potential and strong government support, plays a key role in the country's "Net Zero" commitment, among other fields of green energy. For foreign investors, this ...



ESS: The Perfect Solution for Solar Energy in Vietnam ...

Energy Storage Systems (ESS) - the key to stabilizing solar power in Vietnam. Discover how ESS addresses the issue of power interruptions and enhances energy autonomy for households and businesses.

ENHANCING ENHANCING VIETNAM'S VIETNAM'S

In the South, the installed capacity of power sources grew by an average of 15% per year, from about 15 GW in 2016 to 35 GW in 2022. Before 2019, the Southern power sources were mainly ...



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

Vietnam energy storage subsidy policy

The Solar Storage System (ESS) offers a low-cost and low-emissions solution for peak-hour power supply, helping Vietnam pursue low emissions development and ensuring economic ...



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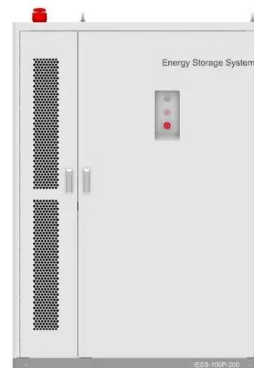


Viet Nam needs to consider energy storage to ensure ...

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

Review on Energy Storage Systems (ESS)

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 ...



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 does it cost to build a battery energy ...

How much does it cost to build a battery in 2024? Modo Energy's industry survey reveals key Capex, O& M, and connection cost benchmarks for BESS projects.

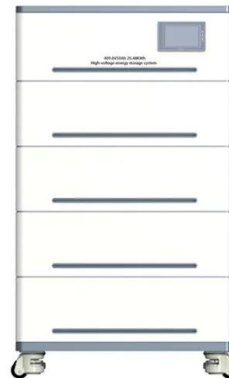


Pioneering Innovation with Vietnam's BESS Pilot Project

The pilot BESS project would bring forth valuable insights and data on BESS operation for various grid services, critical to reforming the regulatory framework, developing competent technical standards, and ...

VIETNAM ENERGY STATISTICS 2020

Overview Vietnam and worldwide in 2020. Statistics show that the gross domestic product (GDP) in 2020 only grew at a 2.91% rate, much lower than the 2015-2019 perio of 6.78% per year on ...



Cost of Living in Vietnam. Prices in Vietnam. Updated Sep 2025

Summary of cost of living in Vietnam: The estimated monthly costs for a family of four are 1,565.3\$ (41,323,617.2Dong), excluding rent. The estimated monthly costs for a single person are ...



Battery Energy Storage Systems Report

This information was prepared as an account of work sponsored by an agency of the U.S. Government. Neither the U.S. Government nor any agency thereof, nor any of their employees, ...



TAX FREE

ENERGY STORAGE SYSTEM

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

Residential Energy Storage Systems (ESS): What You Need to ...

Discover everything you need to know about residential energy storage systems (ESS). Learn how ESS works, its benefits, challenges, and how it can improve your home's ...

Vietnam's electricity price compared to the world at 2023

According to a report by Vietnam Electricity Corporation, electricity prices in Vietnam are calculated based on the retail electricity price for domestic use from 1,864 ...



ESS: The Perfect Solution for Solar Energy in Vietnam

Energy Storage Systems (ESS) - the key to stabilizing solar power in Vietnam. Discover how ESS addresses the issue of power interruptions and enhances energy autonomy ...

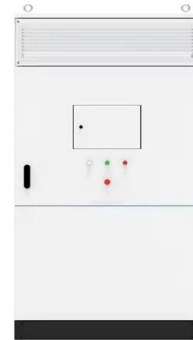
What Does Green Energy Storage Cost in 2025?

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 ...



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 ...



[Spring 2024 Solar Industry Update](#)

In H2 2023, the median price of a residential system in Indiana was 51% higher than the median price of a residential system in Florida. Part of the price disparity between states may be due to ...



Solar Installed System Cost Analysis , Solar Market ...

Solar Installed System Cost Analysis NREL analyzes the total costs associated with installing photovoltaic (PV) systems for residential rooftop, commercial rooftop, and utility-scale ground-mount systems. This work has ...

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