

Albania exports 100kWh of photovoltaic power generation system at CIF price



Overview

The Albania energy market report provides expert analysis of the energy market situation in Albania.

Key Takeaways

Albania can export a 100 kWh photovoltaic system, with CIF pricing determined by production costs, insurance, and freight to the destination port. Albanian PV Market Context

Albania has significant solar potential, with over 700 MW of private photovoltaic capacity operational and an additional 400 MW installed by self-producers. The Energy Regulatory Authority (ERE) has issued 71 production licenses totaling approximately 980 MW, mostly for small-scale plants under 2 MW. Solar energy accounted for 15.3% of Albania's net electricity generation in 2025, reflecting rapid growth in PV deployment. Despite this, large-scale PV projects face regulatory and financing challenges.

CIF Pricing Considerations

CIF (Cost, Insurance, and Freight) price includes:

- Production cost: Manufacturing or assembling the 100 kWh PV system in Albania, including panels, inverters, and mounting structures.
- Insurance: Coverage for transport risks from Albania to the importing country.

- Freight: Shipping costs to the destination port, which depend on distance, shipping method, and logistics. Given Albania's PV market, small-scale systems (sub-2 MW) are often produced locally or imported for assembly. The CIF price will vary depending on:

- Local production costs and labor
- Component sourcing (domestic vs imported panels)
- Shipping distance and port fees
- Insurance premiums

Export Feasibility

Albania's solar industry is growing, but exporting PV systems requires compliance with EU or international standards, including CE certification for panels and inverters. The country's sunny climate and increasing PV capacity make it feasible to produce and export small-scale systems like a 100 kWh unit .

Summary

While exact CIF prices for a 100 kWh PV system from Albania are not publicly listed, they are influenced by local production costs, insurance, and freight charges. Albania's expanding PV sector, regulatory framework, and solar potential support the feasibility of such exports, particularly for small-scale systems under 2 MW .

Article Content

Albania's Solar Surge: Capital Inflows, Grid Pressures and a Market in ...

The rapid growth of solar capacity is gradually reshaping Albania's electricity mix—historically dominated by

Evaluation and integration of photovoltaic (PV) systems in Albanian ...

This paper studies the current state of PV usage in Albania's energy sector and the opportunities and challenges

Albania Trade | WITS

Access Albania's trade profile. Data includes annual and monthly exports and imports, tariffs, foreign direct investment (FDI), global

EBRD-supported tender in Albania delivers competitive price for solar

The tender builds on the success of a previous competitive bidding process for solar power supported by the EBRD in

Challenges and prospects in Albania's PV market

Albanian researchers say that solar could be key to reducing Albania's reliance on energy imports, but the nation will

Albania Energy Market Report | Energy Market Research in Albania

The Albania energy market report provides expert analysis of the energy market situation in Albania. The report

Albania Trade Statistics | WITS

Albania Trade Statistics including exports and imports by partner and products, tariffs and relevant development indicators.

Solar Manufacturing in Albania: Your 2025 Investor's Guide

Thinking of investing in solar manufacturing in Albania? Our expert guide covers the business climate, regulations,

Energy transition in the renewable energy sector in Albania ...

This study provides a comprehensive assessment of the current landscape of Albania's renewable energy

Two Large-Scale Solar Photovoltaic (PV) Power Plants are

Five utility-scale solar photovoltaic parks with a combined installed capacity of 156 MW were commissioned in Albania

ENERGY PROFILE Albania

Distribution of wind potential Annual generation per unit of installed PV capacity (MWh/kWp) Wind power density at 100m height (W/m²)

Albania Energy Situation

The share of modern renewables in final energy consumption in Albania is 42%. In terms of electricity generation, 98% of the

Albania

Electricity generation Another important form of transformation is the generation of electricity. Thermal power plants generate

Albania Energy 2024, CIA World Factbook

NOTE: The information regarding Albania on this page is re-published from the 2024 World Fact Book of the United States Central

Assessment of the Albanian electricity market design and

1.1. Supply The Power system in the Republic of Albania consists of: electricity production, transmission, distribution, electricity

Albania Energy Information

Albania Energy Research - Albania's Energy & Climate Policy Framework: Albania is transposing EU energy rules, liberalising its

Solar power by country

Photovoltaic (PV) systems use solar panels, either on rooftops or in ground-mounted solar farms, converting sunlight directly into

Albania

CO2 emissions from power generation Power generation, which includes electricity and heat, is one of the largest sources of CO2

Climatescope 2025 | Albania

Power prices and costs The average electricity price in Albania has increased from ~\$140/MWh in 2023 to ~\$150/MWh in 2024.

Albania

The day-ahead market in Albania is operated by the power exchange ALPEX as of 12 April 2023 and as of 31 January 2024 market

AIDA_FactSheet_Energy2024

Albania has an unexploited wind power potential, especially along the Adriatic Coast where many areas with high wind energy

Mapping Renewable Energy Sources potential, challenges, and ...

Energy Policy of Albania include the promotion for the use of renewable energy sources beyond hydropower due to the significant

Solar Power up by 44%, Changes in Compensation

These capacities aim to increase the flexibility and stability of the energy system. In solar energy, Albania has moved

Albania

The day-ahead market in Albania is operated by the power exchange ALPEX as of 12 April 2023 and as of 31 January 2024 market

AIDA_FactSheet_Energy2024

Albania has an unexploited wind power potential, especially along the Adriatic Coast where many areas with high wind energy

Mapping Renewable Energy Sources potential, challenges, and ...

Energy Policy of Albania include the promotion for the use of renewable energy sources beyond hydropower due to the significant

Solar Power up by 44%, Changes in Compensation

These capacities aim to increase the flexibility and stability of the energy system. In solar energy, Albania has moved

100 kW Solar Panel System Price with Subsidy (2026) - Bluebird Solar

Discover the latest 100kW solar panel system price in India (2026). Learn about costs, subsidy eligibility, benefits, and

Energy security in Albania

In response to the research question about achieving self-sufficiency in Albania's electricity supply until 2030, we can say that if all

Albania's 2025 Electricity Production and Consumption Trends

This dual increase in both exports and imports indicates a complex balancing act in Albania's energy trade. A closer

Albania Energy Market Report | Energy Market Research in Albania

Albania is slowly transposing the European acquis and liberalising its electricity market. National power utility KESH

IFC Providing Climate Adaptation Financing to Support Albania's First ...

Tirana, Albania, April 24, 2023—To help Albania improve its climate resilience, diversify its energy mix and scale up clean and

Renewable energy in Albania

Albania electricity production 1980–2019 Fierza Hydroelectric Power Station
Renewable energy in Albania includes biomass,

Albania

For example, per-capita emissions will be higher in countries that rely more on carbon-intensive modes of transportation (like driving

Albania | Country profiles | Europe's environment 2025 (EEA)

The Albania country profile provides a concise overview of key trends across three dimensions: environment and

RENEWABLE ENERGY SOURCES IN ALBANIA

A small or medium-sized company, or a family customer can install a small PV with total capacity of 500 kWp for self-generation of

ENERGY PROFILE Albania

Distribution of wind potential Annual generation per unit of installed PV capacity (MWh/kWp) Wind power density at 100m height (W/m²)

Albania Energy Situation

The share of modern renewables in final energy consumption in Albania is 42%. In terms of electricity generation, 98% of the

Albania

Electricity generation Another important form of transformation is the generation of electricity. Thermal power plants generate

Albania Energy 2024, CIA World Factbook

NOTE: The information regarding Albania on this page is re-published from the 2024 World Fact Book of the United States Central

Assessment of the Albanian electricity market design and

1.1. Supply The Power system in the Republic of Albania consists of: electricity production, transmission, distribution, electricity

Albania Energy Information

Albania Energy Research - Albania's Energy & Climate Policy Framework: Albania is transposing EU energy rules, liberalising its

Solar power by country

Photovoltaic (PV) systems use solar panels, either on rooftops or in ground-mounted solar farms, converting sunlight directly into

Albania

CO₂ emissions from power generation Power generation, which includes electricity and heat, is one of the largest sources of CO₂

Climatescope 2025 | Albania

Power prices and costs The average electricity price in Albania has increased from ~\$140/MWh in 2023 to ~\$150/MWh in 2024.

Albania

The day-ahead market in Albania is operated by the power exchange ALPEX as of 12 April 2023 and as of 31 January 2024 market

AIDA_FactSheet_Energy2024

Albania has an unexploited wind power potential, especially along the Adriatic Coast where many areas with high wind energy

Mapping Renewable Energy Sources potential, challenges, and ...

Energy Policy of Albania include the promotion for the use of renewable energy sources beyond hydropower due to the significant

Solar Power up by 44%, Changes in Compensation

These capacities aim to increase the flexibility and stability of the energy system. In solar energy, Albania has moved

Albania's Solar Surge: Capital Inflows, Grid Pressures and a Market in ...

The rapid growth of solar capacity is gradually reshaping Albania's electricity mix—historically dominated by

Evaluation and integration of photovoltaic (PV) systems in Albanian ...

This paper studies the current state of PV usage in Albania's energy sector and the opportunities and challenges

Albania Trade | WITS

Access Albania's trade profile. Data includes annual and monthly exports and imports, tariffs, foreign direct investment (FDI), global

EBRD-supported tender in Albania delivers competitive price for solar

The tender builds on the success of a previous competitive bidding process for solar power supported by the EBRD in

Challenges and prospects in Albania's PV market

Albanian researchers say that solar could be key to reducing Albania's reliance on energy imports, but the nation will

Albania Energy Market Report | Energy Market Research in Albania

The Albania energy market report provides expert analysis of the energy market situation in Albania. The report

Albania Trade Statistics | WITS

Albania Trade Statistics including exports and imports by partner and products, tariffs and relevant development indicators.

Solar Manufacturing in Albania: Your 2025 Investor's Guide

Thinking of investing in solar manufacturing in Albania? Our expert guide covers the business climate, regulations,

Energy transition in the renewable energy sector in Albania ...

This study provides a comprehensive assessment of the current landscape of Albania's renewable energy

Two Large-Scale Solar Photovoltaic (PV) Power Plants are

Five utility-scale solar photovoltaic parks with a combined installed capacity of 156 MW were commissioned in Albania

Albania's Solar Surge: Capital Inflows, Grid Pressures and a Market in ...

The rapid growth of solar capacity is gradually reshaping Albania's electricity mix—historically dominated by

Evaluation and integration of photovoltaic (PV) systems in Albanian ...

This paper studies the current state of PV usage in Albania's energy sector and the opportunities and challenges

Albania Trade | WITS

Access Albania's trade profile. Data includes annual and monthly exports and imports, tariffs, foreign direct investment (FDI), global

EBRD-supported tender in Albania delivers competitive price for solar

The tender builds on the success of a previous competitive bidding process for solar power supported by the EBRD in

Challenges and prospects in Albania's PV market

Albanian researchers say that solar could be key to reducing Albania's reliance on energy imports, but the nation will

Albania Energy Market Report | Energy Market Research in Albania

The Albania energy market report provides expert analysis of the energy market situation in Albania. The report

Contact Us

Continue your research online:

Website: <https://danialonso.es>

Technical inquiry: <https://danialonso.es/contact.html>

This document is for preliminary research. Verify specifications against current standards, product documentation and project requirements.

