

## Solar Energy South Africa

# Solar and electric Montenegro



## Overview

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Are there solar power plants in Montenegro?

As for Montenegro, news has lately surfaced about several huge investments, mostly via the urban planning and technical requirements. There are still no utility-scale solar power plants in the country. CWP Europe plans to install a solar power plant called Montechevo with a total capacity of 400 MW in Cetinje.

Where is electricity produced in Montenegro?

The majority of electricity in Montenegro is primarily produced at the Pljevlja coal-fired Thermal Power Plant and the Perucica and Piva Hydropower Plants. The core activities of the majority state-owned Electrical Power Company of Montenegro (EPCG) are electricity generation, transmission, distribution, and supply.

Where is Res Montenegro planning a solar project?

A section would be placed in the cadastral municipality of Lastva, which RES Montenegro Group is also eyeing for its own project. Sunrise Europe, based in the seaside town of Kotor, intends to set up a solar park with a peak capacity of 220 MW in Šavnik while the company Obnovljivi izvori energije is preparing to build a 225 MW facility in Cetinje.

Did Montenegro lower the value-added tax for solar panels?

Montenegro recently lowered the value-added tax for solar panels. EPCG has a program called Solari for rooftop solar panels for households and companies. RES Montenegro Group got the urban planning and technical requirements for a photovoltaic system with a connection capacity of up to 506 MW.

Does Montenegro have hydro power plants?

Montenegro has the potential to develop additional hydro power plants given its abundance of rivers and streams, as mentioned in the Agreement of the

Electro-Energetic Community for Southeastern Europe signed on January 1, 2015. The country's energy market was opened to competitors.

Will Podgorica build a solar power plant at Velje Brdo?

According to plans, Podgorica is building a solar power plant at Velje Brdo with an installed power capacity of at least 50 MW.

## Solar and electric Montenegro

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### Solar resource maps & GIS data for 200+ countries , Solargis

The largest collection of free solar radiation maps. Download maps of GHI, DNI, and PV output power potential for various countries, continents and regions. Solar resource maps of Montenegro. Photovoltaic Electricity Potential Medium Size. English PNG, 1.8 MB. Poster Map. English TIF, 24.7 MB. GIS Data. LTAYm Avg Daily Totals GEOTIFF.

### Solar systems and solar energy

Over the period of one year Montenegro often has over 240 sunny days, thus the use of solar systems is the most ideal, most efficient and cleanest way to obtain energy. The intensity of solar radiation is among the highest in Europe, which ...



### Great interest of Montenegrin households, firms for solar subsidies

Montenegrin households and companies are showing great interest in installing solar panels for the production of electricity for self-consumption. So far, 14,000 homes and 800 companies have applied to the public call of power utility Elektroprivreda Crne Gore (EPCG) for the subsidized installation of photovoltaic panels, and the planned target

## Montenegro

The Energy Development Strategy of Montenegro sets out objectives and defines mechanisms for the transition from the current energy system to a safe, competitive and environmentally acceptable energy paradigm by 2025. Sources of electricity generation. Electricity can be generated in two main ways: by harnessing the heat from burning fuels



## Serbia signs agreement with Hyundai Engineering-UGT ...

The Government of Serbia has signed an agreement with the Hyundai Engineering-UGT Renewables consortium on building solar power plants with a total connection capacity of 1,000 MW (1,200 MW in nameplate capacity), along with battery systems for electricity storage of up to 200 MW/400 MWh. The signing will be followed by talks on financing terms.

## Solar power generation to increase tenfold in Montenegro next year

The plan for 2023 is to produce more than half of total electricity (51%) in hydropower plants, 38% in TPP Pljevlja, 9% in wind power plants and 1.14% in solar power plants. Montenegro estimates that next year 2,211 GWh or 61.45% of electricity would be produced from renewables - hydropower plants, wind power plants, and solar power plants



## Global players bid to replace coal with 455 MW of solar

## power in ...

Tenders for contractors for 455 MW of solar power capacity that would replace CE Oltenia's coal plants attracted investors from China, Turkey, the United States, Germany and Ukraine. The company's joint venture partner is OMV Petrom. Electricity. Montenegro. Montenegro labels 15 energy projects as infrastructure priorities.



## Balance of electricity

Balance of electricity Table 1. Balance of electricity in Montenegro, 2022 Electricity Hydro energy Solar energy Wnd energy Electricity Hydro energy Solar energy Wnd energy GWh TJ  
 Production - 1 434.7 2.8 324.7 - 5 165 10 1 169  
 Imports 8 466.8 - - - 30 480 - - -



## Montenegro: Agreement on connection of solar power plant ...

The contract for the connection of the solar power plant Montecevo (Montechevo) with a total installed power of up to 400 MW to the transmission system was signed last week in Podgorica. It is an investment whose value exceeds EUR 350 million. It will be carried out by the company Sun Horizon, which operates within the CWP [...]

## Electricity becomes Montenegro's biggest export item

Montenegro's electricity exports reached EUR 190 million over the period January-October 2023 or 35% of the total, led by deliveries to Bosnia

and Herzegovina. Solar production 50% below the plan. Interestingly, solar ...



## Montenegro

A day-ahead electricity market was launched by the Mon-tenegrin power exchange MEPX in April 2023. Montene-gro should focus on the transposition and implementation of the Electricity Integration Package as a precondition for the coupling of its day-ahead market. Decarbonising the energy sector 40% Montenegro progressed with amendments of the Energy

## Montenegro's EPCG vows to put solar panels on ...

The prosumers can sell excess electricity to their supplier. "We won't stop until all suitable structures in Montenegro have solar power plants on their roofs, as we want to change Montenegro for the better," EPCG solar ...



## Top Electric Panel Suppliers in Montenegro

What is an Electric Panel for Solar Plants? Electrical panels consist of various connectors and switches that regulate the current flow from the solar power plant to the circuits. In simple terms, solar panels are interconnected to one point, after which the electrical panel and the

circuit breaker act as a barrier. All the appliances and electrical equipment are present after this ...

## Top Electric Panel Distributors Suppliers in Montenegro

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## Cevo Solar

We proudly announce that the solar power plant in Cevo is the first of its kind in Montenegro, with a capacity of 4.42 MW, marking a significant step towards utilizing renewable energy sources in our country. In addition to this project, we plan to undertake more similar projects in the future.

## New solar power project in Montenegro is one of biggest in ...

RES Montenegro Group received the urban planning and technical requirements for a photovoltaic facility with a connection capacity of up to 506 MW. The project in Cetinje is the biggest in Montenegro and one of the largest ones in Southeastern Europe. The company Montenegro Investment and Holdings achieved the same milestone for a 12.5 MW facility.

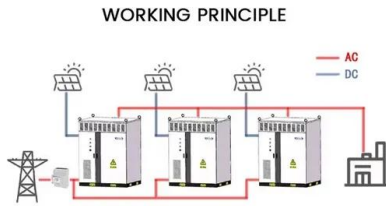


- Efficient Higher Revenue**
  - Max. Efficiency 97.5%
  - Max. PV Input Voltage 1000V
  - 100% Peak Output Power
  - 2 MPPT Trackers, 150% DC Input Overvoltage
  - Max. PV Input Current 15A, Compatible with High Power Modules
- Intelligent Simple O&M**
  - IP66 Protection Degree, support outdoor installation
  - Smart I-V Curve Diagnosis Function: locate PV string faults accurately and automatically detect faults
  - DC & AC Type II SPD, prevent lightning damage
  - Battery Reverse Connection Protection
- Flexible Abundant Configuration**
  - PUS & PUS, EPS Switching Under 20ms
  - Compatible with Lead acid and Lithium Batteries
  - Max. 6 Units Inverter Parallel
  - AFC Function (Optional): when an arc fault is detected the inverter immediately stops operation

## Montenegro to launch 300

## MWh battery storage tender

5 ????. In a pioneering move for state-owned utilities in the Balkans, Montenegro's largest power utility, EPCG, is planning to launch a large-scale, battery energy storage procurement exercise by the end of 2024. The utility has also decided to install a 5 MWh battery energy storage system alongside its proposed Kapino Polje solar power plant



## Three investments in solar power announced in Montenegro

It is an additional impetus for the development of solar projects in Montenegro, which is set to boost solar power production by more than ten times this year, from 3.8 Cetinje, decarbonization, electricity, energy transition, OIE, renewable energy sources, Rozaje, Savnik, solar. Home » News » Renewables » Three investments in solar



## EPCG's project Solari kicks off sustainable energy transition in Montenegro

The country's solar potential is one of the largest in Southeast Europe. The capital Podgorica, for example, has more than 2,000 hours of sunshine per year, while the number for Montenegro as a whole ranges from 1,300 to 2,000 a year. Germany has between 1,000 and 1,200 of sunny hours per year, and it has already built 50 GW of solar power

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