

# 50MW Montenegrin PV Solar Photovoltaic Power Plant



**MERGERSCORP**

## 50MW Montenegrin PV Solar Photovoltaic Power Plant

Montenegro is a small country located in Southeastern Europe with a population of just over 600,000 people. Despite its size, the country is quickly becoming a leader in renewable energy production, particularly in the area of photovoltaic (PV) technology.

Montenegro's abundant sunshine and mountainous terrain make it an ideal location for solar energy production. The country receives an average of 2,500 hours of sunlight per year, making it one of the sunniest places in Europe. This has allowed Montenegro to harness the power of the sun through the installation of PV panels across the country.

One of the largest PV projects in Montenegro is the Briska Gora solar park, located near the town of Ulcinj. This 250 MW facility is expected to produce over 400 GWh of electricity per year, which is enough to power 100,000 homes. The project is a joint effort between Montenegro's government and private investors, who see the potential for solar energy to reduce the country's reliance on fossil fuels and create a more sustainable energy future.

In addition to large-scale projects like Briska Gora, Montenegro is also promoting the use of PV technology on a smaller scale. The country offers incentives for homeowners and businesses to install solar panels on their properties, including tax breaks and subsidies for the cost of equipment. This has led to a growth in the number of rooftop solar installations across Montenegro, further increasing the country's solar energy capacity.

Montenegro's commitment to renewable energy extends beyond just solar power. The country has set a goal to generate 33% of its electricity from renewable sources by 2020, with plans to increase that to 36.5% by 2030. This includes not only solar energy but also wind, hydropower, and biomass.

### Keypoints

A project for the construction of a network solar power plant (SPP) in Montenegro for the sale of electricity to a centralized network without intermediate storage is being considered. The implementation of the Project is planned to stimulate the development of solar energy in Montenegro and the transition to non-hydrocarbon renewable green energy sources.

The main scenario for the implementation of the Project is with the use of Chinese-made solar panels, with subsidies from EKO FOND MONTENEGRO, with a standard tariff (about \$110 per MWh).

### Italy-Montenegro Grid Connection

### Key Data

#### GROSS REVENUE

\$0

#### EBITDA

\$0

#### BUSINESS TYPE

Renewable Energy

#### REAL ESTATE

TBD

#### COUNTRY

Montenegro

#### BUSINESS ID

L#20240651

Planned installed capacity	50 MW	
The area of land for construction	600 000 sq.m. (60 ha)	
Type of installation of solar panels	Fixed	
Type of solar panels	Multicrystalline	
Number of solar panels	90909	
Maximum declared power of the panels	550 Wp	
Maximum capacity of solar power plants	50000.5 KWp	
Inverters	10 central inverters in a block with a transformer (110 kV)	
Maximum inverter power	5060 kW	
Inverter Specifications	Total power Sng (kVA)	N/A
	Specified voltage Ung (kV)	N/A
	Указанный ток Ing (A) Impp	N/A
	Пусковой ток Io (A)	N/A
	Generator power factor (cos a)	1
	Nominal frequency (Hz)	50
Efficiency of solar panels	22,70%	
Installation angle of solar panels	42	
Total energy output	70 200 MWh/year	
Specific energy generation	1404 kWh/year	
Unit cost (excluding VAT 7% and subsidies 20%)	505 EUR / 1 kW peak	
Total cost (excluding VAT 7% and subsidies 20%)	25 250 000 EUR	
Project IRR	25%	
Investor's IRR		
Investor's NPV (Net Cash Flow)	82 302 799 EUR	
The total cost of energy produced over 30 years (at a tariff of 110 euros / 1 MWh)	231 660 000 EUR	
Total income for 30 years (excluding VAT and income tax) EBITDA	206 410 000 EUR	

## Map data

Per year ▾

Direct normal irradiation	DNI	<b>1508.5</b> kWh/m <sup>2</sup> ▾
Global horizontal irradiation	GHI	<b>1476.3</b> kWh/m <sup>2</sup> ▾
Diffuse horizontal irradiation	DIF	<b>604.0</b> kWh/m <sup>2</sup> ▾
Global tilted irradiation at optimum angle	GTI opta	<b>1735.6</b> kWh/m <sup>2</sup> ▾
Optimum tilt of PV modules	OPTA	<b>36 / 180</b> °
Air temperature	TEMP	<b>14.8</b> °C ▾
Terrain elevation	ELE	<b>183</b> m ▾

*The information contained herein does not constitute an offer to sell or a solicitation of an offer or a recommendation to purchase securities under the securities laws of any jurisdiction, including the United States Securities Act of 1933, as amended, or any US state securities laws, or a solicitation to enter into any other transaction*

*The projected financial information contained in the Memorandum is based on judgmental estimates and assumptions made by the management of the target Company, about circumstances and events that have not yet taken place. Accordingly, there can be no assurance that the projected results will be attained. In particular, but without prejudice to the generality of the foregoing, no representation or warranty whatsoever is given in relation to the reasonableness or achievability of the projections contained in the Memorandum or in relation to the bases and assumptions underlying such projections and you must satisfy yourself in relation to the reasonableness, achievability and accuracy thereof.*

*By delivering this Memorandum, neither MergersUS Inc., nor its authorized agents are making any recommendations regarding the acquisition or strategies outlined herein. Interested parties shall exercise independent judgment in, and have sole responsibility for, determining whether an acquisition of the Company is suitable for them, and neither MergersUS Inc, nor its authorized agents have responsibility to, and will not, monitor the condition of interested parties to determine that an acquisition is or remains suitable for them. Among other things, suitability of an acquisition will depend upon an interested party's investment and business plans and financial situation.*

*This document is prepared for information purposes only. It is made available on the express understanding that it will be used for the sole purpose of assisting the recipients to decide whether they wish to proceed with a further investigation of the Proposed Transaction.*

*The recipients realize and agree that this document is not intended to form the basis of any investment decision or any other appraisal or decision regarding the Proposed Transaction, and does not constitute the basis for the contract which may be concluded in relation to the Proposed Transaction.*

*All information contained in this document may subsequently be updated and adjusted. MergersUS Inc. has not independently verified any of the information contained herein or on which this document is based. Neither the Company, nor its management or shareholders, nor MergersUS Inc. , nor any of their respective directors, partners, officers, employees or affiliates make any representation or warranty (express or implied) or accept or will accept any responsibility or liability regarding or in relation to the accuracy or completeness of the information contained in this document or any other written or oral information made available to any interested party or its advisers. Any liability in respect of any such information or any inaccuracy in or omission from the document is expressly disclaimed.*

## MERGERSCORP

© 2026 MergersCorp M&A International. All rights reserved.

© 2026 MergersCorp M&A International. MergersCorp™ M&A International is the collective brand name of independent affiliates of MergersCorp M&A International. For more details on the nature of our affiliation, please visit us on our website <https://www.mergerscorp.com/disclaimer>. MergersCorp M&A International is not a registered broker-dealer under the U.S. securities laws. MergersCorp M&A International does not offer or sell securities or provide investment advice or underwriting services. The articles or publications contained in this presentation are not intended to provide specific business or investment advice. The author or MergersCorp M&A International shall not be liable for any errors or omissions, or for any loss suffered by any person or organization acting or refraining from acting as a result of the content of this website. It is recommended that specific independent advice be sought before making any business or investment decision.

**MERGERSCORP**

[WWW.MERGERSCORP.COM](http://WWW.MERGERSCORP.COM)