

## SolarTech Power Solutions

# North Macedonia solar power generation standard code



### **RW-F10.2**

UN38.3 / IEC62619 / CE  
CEI 0-21 / VDE2510-50  
CEC

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## Overview

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Rulebook on Renewable Energy Sources - prescribes the types of electric power plants for production of electricity from renewable energy sources, the conditions and manner in which the excess of produced electricity intended for own consumption is being transferred in the electricity distribution grid, the manner of issuance of approval for measuring the wind, the manner of issuance, transfer and revoking of the origin guarantees and their content, as well as the manner and procedure and conditions for validation of the origin guarantees issued in other countries. What changes did North Macedonia make to its energy policy?

While there were no other major energy legislative changes, North Macedonia continues to harmonize its energy sub-regulations with the EU Energy Community's Third Energy Package (TEP).

Does North Macedonia need electricity?

Although North Macedonia's renewable energy potential is huge (especially solar), the country is still dependent on importing electricity -imported electricity constitutes around 30% of the overall gross consumption.

Which energy sources are used in North Macedonia?

At the moment, most of the electricity in North Macedonia is produced from thermal power plants with coal as the primary energy source. The share of the renewable energy sources in the total installed capacity in North Macedonia is 38%, with most of the renewable energy coming from large hydro powerplants.

How many solar plants are there in North Macedonia?

This is a huge number for North Macedonia as the biggest solar plant at the moment is only 17MW, with the second biggest being 10MW. According to the RKE 2022 Annual Report, 267 new renewable energy power plants are currently in the works (with solar plants having the biggest part - 254 plants).

How many energy licenses will Macedonia have in 2023?

Additionally, the Macedonian Regulatory Commission for Energy (“RKE”) has already announced that it issued 278 licenses for only six months in 2023, which is more than in the whole 2022. If all the issued energy licenses result in operational power plants, that would amount to 270MW of newly installed capacity.

Why did North Macedonia come out of the winter 2022 energy crisis?

North Macedonia came out of the winter-2022 energy crisis, driven in part by the war in Ukraine and lack of diversity in gas suppliers, with a better appreciation for the importance of resilience and redundancy in the energy sector.

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