



# PHOTOVOLTAIC BAROMETER 2022

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The growth of the European solar photovoltaic market continued in 2021, despite the difficult post-COVID-19 context of disrupted supply chains and more expensive solar system components. According to EurObserv'ER, the maximum net power of the EU-27 increased by at least 22,817.6 MW in 2021 (+25.3% compared to 2020). The cumulative power of the European Union thus reached 158.91 GW at the end of 2021. The sharp increase in connected capacities has led

to significant growth in the production of solar electricity in Europe, with 157.5 TWh reported in 2021. This is an increase of 12.4% when compared to 2020 figures. With the relocation of industrial cell and module production as part of several Gigafactory projects in Europe, stakeholders are aiming to reach the 1TW connected-power threshold by the end of 2030. This would lead to a sharp increase in the growth rate of the sector, doubling EurObserv'ER projections of 500 GW.

## 157.5 TWh

Photovoltaic electricity generated in the EU in 2021

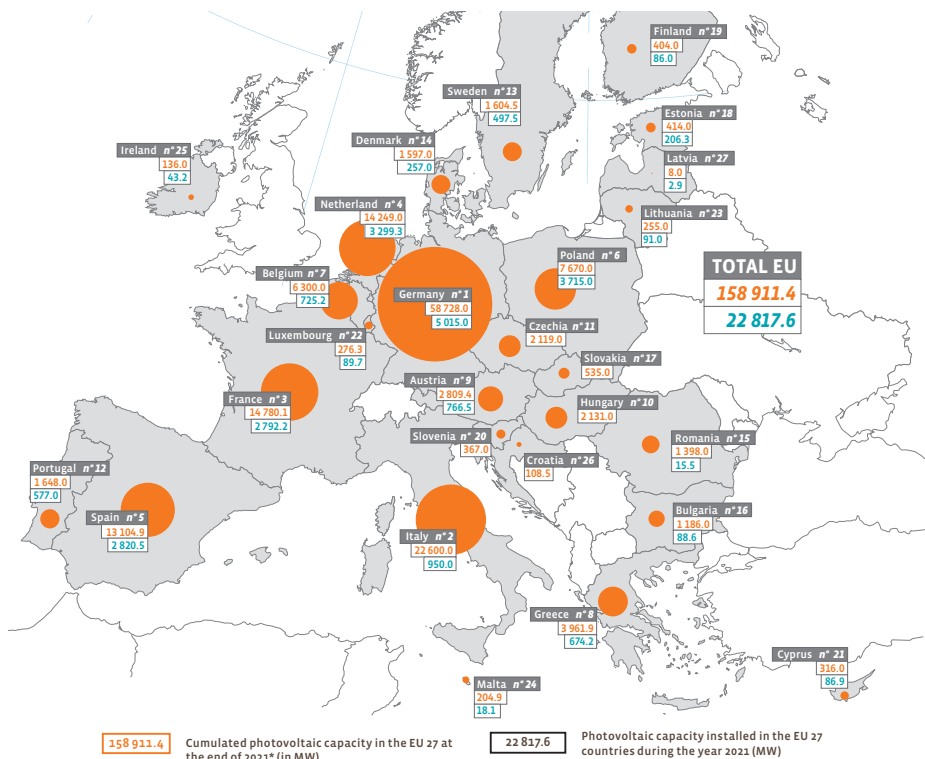
## 22 817.6 MW

Photovoltaic capacity installed in the EU27 in 2021



**Graph No. 1**

Installed and cumulated solar photovoltaic capacity\* in the European Union at the end of 2021\*\* (MW)

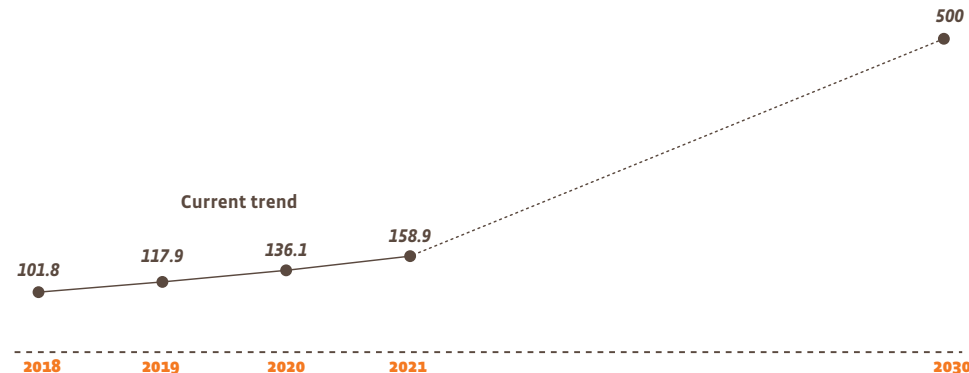


158 911.4 Cumulated photovoltaic capacity in the EU 27 at the end of 2021\* (in MW)      22 817.6 Photovoltaic capacity installed in the EU 27 countries during the year 2021 (MW)

\* Net maximum electrical capacity, off-grid included. \*\* Estimation. Source: EurObserv'ER 2022.

**Graph No. 2**

EurObserv'ER projection of the evolution of photovoltaic capacity\* installed in the EU 27 (in GW)



\* Net maximum electrical capacity, off-grid included. Source: EurObserv'ER 2022.

### FURTHER INFORMATION

ANNUAL REPORT: "The State of renewable energies in Europe", 20th edition, [www.eurobserv-er.org/20th-annual-overview-barometer](http://www.eurobserv-er.org/20th-annual-overview-barometer)

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The next barometer will cover solar thermal and CSP.

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