



# PV Situation in Poland

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## The means of validating the conformity of an IPPV, PV production installation (rules, inspection systems, etc.) in new and existing buildings

- no separate formal rules for the design, installation and inspection of photovoltaic installations both in new and existing buildings
- it is subject to general rules for electrical installations (design, installation and inspection may be done only by authorised specialists holding certificates/licences requested by law)
- exception - PV installations with a capacity above 6.5 kWp are subject to approval on fire safety conditions with a certified fire safety expert
- no separate/dedicated training requested to deal with PV installations (manufacturers of components for PV installations and electrical trade organizations offer dedicated training courses and they are very popular)

- no **initial inspection** required by law, although most contractors offer it (usually on-site but sometimes in a distance mode only)
- before connecting to the grid, the installation contractor must provide electricity supplier with a **statement of its compliance with regulations** and a **performance measurement report** signed by authorized specialists. Not all suppliers require an installation design.
- in case of a **new facility put into service**, it is subject to inspection by: Construction Supervision Authority, State Fire Service, and Sanitary Inspectorate - (types of buildings specified in the regulation; domestic homes are not covered)
- **periodic inspections** are carried out on general terms regulated by law - each electrical installation must be inspected at least once every 5 years (many PV installation contractors offer inspections every 2 years)

## PV market growth (Source: Report: Photovoltaic market in Poland, 12th edition, June 2024)

- compared to other EU countries, Poland took **fourth place in terms of the increase in PV capacity in 2023** and advanced to sixth place in terms of cumulative installed capacity
- Polish photovoltaics reached an **installed capacity of 17.08 GW at the end of 2023**, and 17.73 GW at the end of the first quarter of 2024. Compared to 2022, the increase in new capacities in absolute values was similar and amounted to approx. 4.6 GW
  - market growth in 2023 was largely based on prosumer micro-installations (43% of new capacity growth), accounting for 66.3% of the total installed capacity in PV
  - in small installations (over 50 kW) and farms (above 1 MW), amounting to 24.3% and 9.4%, respectively
  - PV remains the leader among all other renewable energy sources in Poland in terms of the pace of development and installed capacity – 60% of all RES

## Fires of PV installations

- lack of detailed data
- no. of PV fires based on the analysis of data from the State Fire Service made by researcher of the CNBOP Institute:
  - 2020 – 147
  - 2021 – 311
  - 2022 – 589

half of these fires occurred in single-family residential buildings

# Thank you very much

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