

Trends in the global solar market on the way towards a redefinition of the existing value chain?

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Global PV markets and Germany

Germany has the highest cumulative PV capacity in Europe

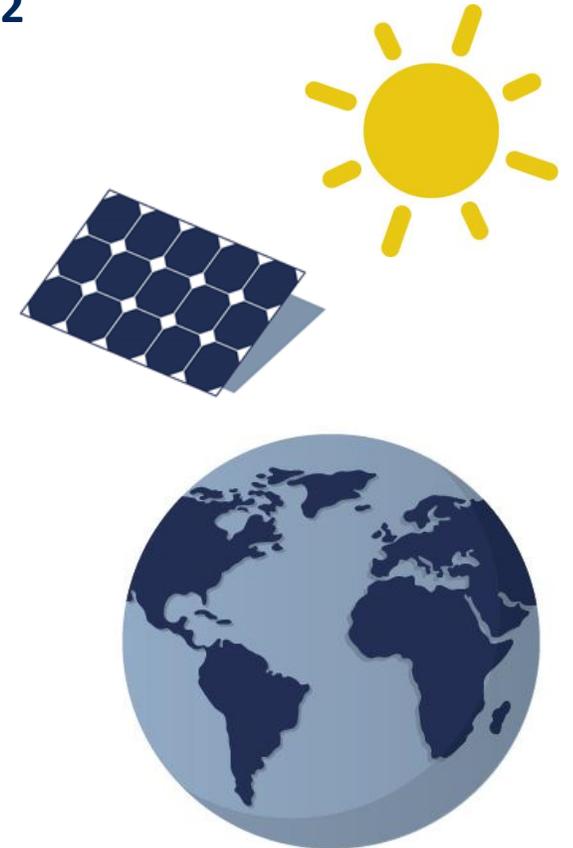


TOP 10 PV capacity additions in 2022

1. China: 94.7 GW
2. USA: 21.9 GW
3. India: 17.4 GW
4. Brazil: 10.9 GW
5. Spain: 8.4 GW
6. **Germany: 7.5 GW**
7. Japan: 6.5 GW
8. Poland: 4.5 GW
9. Netherlands: 4.1 GW
10. Australia: 4.0 GW

Cumulative PV capacity end of 2022

1. China: 402.9 GW
2. USA: 140.8 GW
3. Japan: 84.1 GW
4. India: 77.5 GW
5. **Germany: 67.5 GW**
6. Australiá: 31.0 GW
7. Spain: 27.4 GW
8. Italy: 24.6 GW
9. South Korea: 24.3 GW
10. Brazil: 24.0 GW



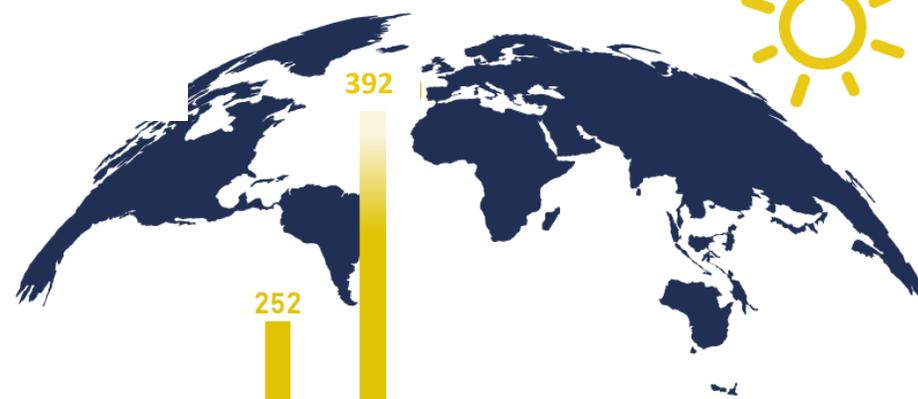
Global Solar Craze !

Annually added capacity surpasses 300-Gigawatt Milestone in 2023

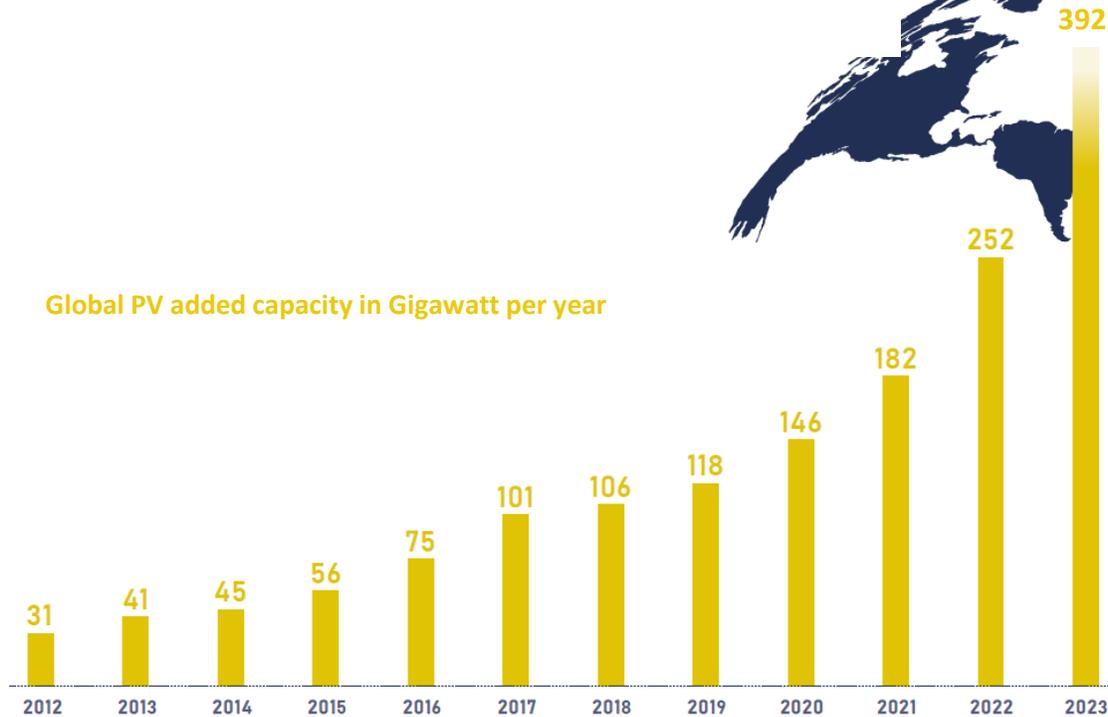


Forecasts for 2023:

- 392 GW (BloombergNEF, mid-scenario forecast)
- 351 GW (TrendForce)
- 341 GW (SolarPower Europe, medium scenario)



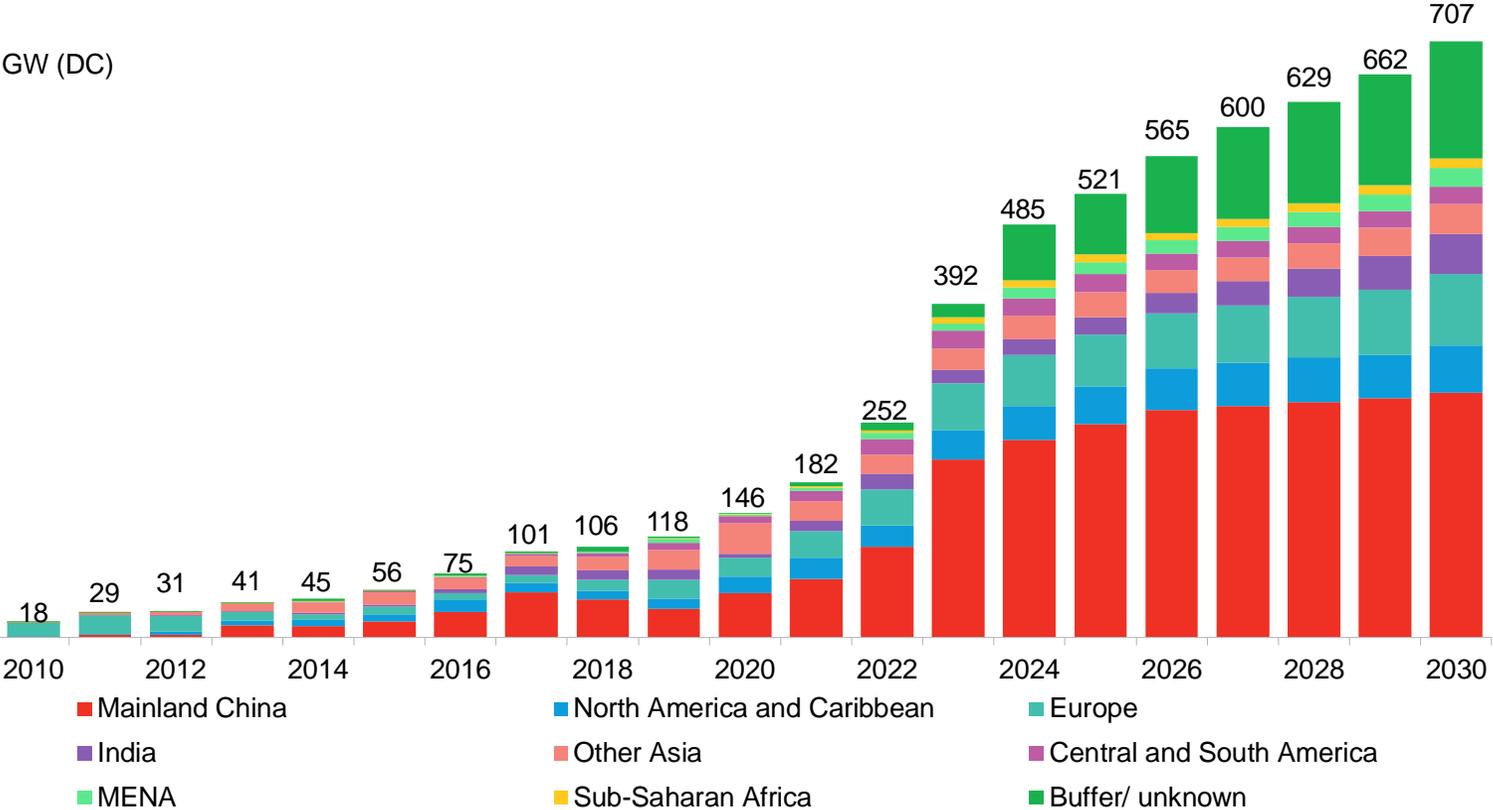
Global PV added capacity in Gigawatt per year



Sources: BloombergNEF, 3Q 2023 Global PV Market Outlook; SPE, Global Market Outlook for Solar Power 2023 – 2027; TrendForce, PV Magazine

Bloomberg's Global PV annual PV additions forecast until 2030

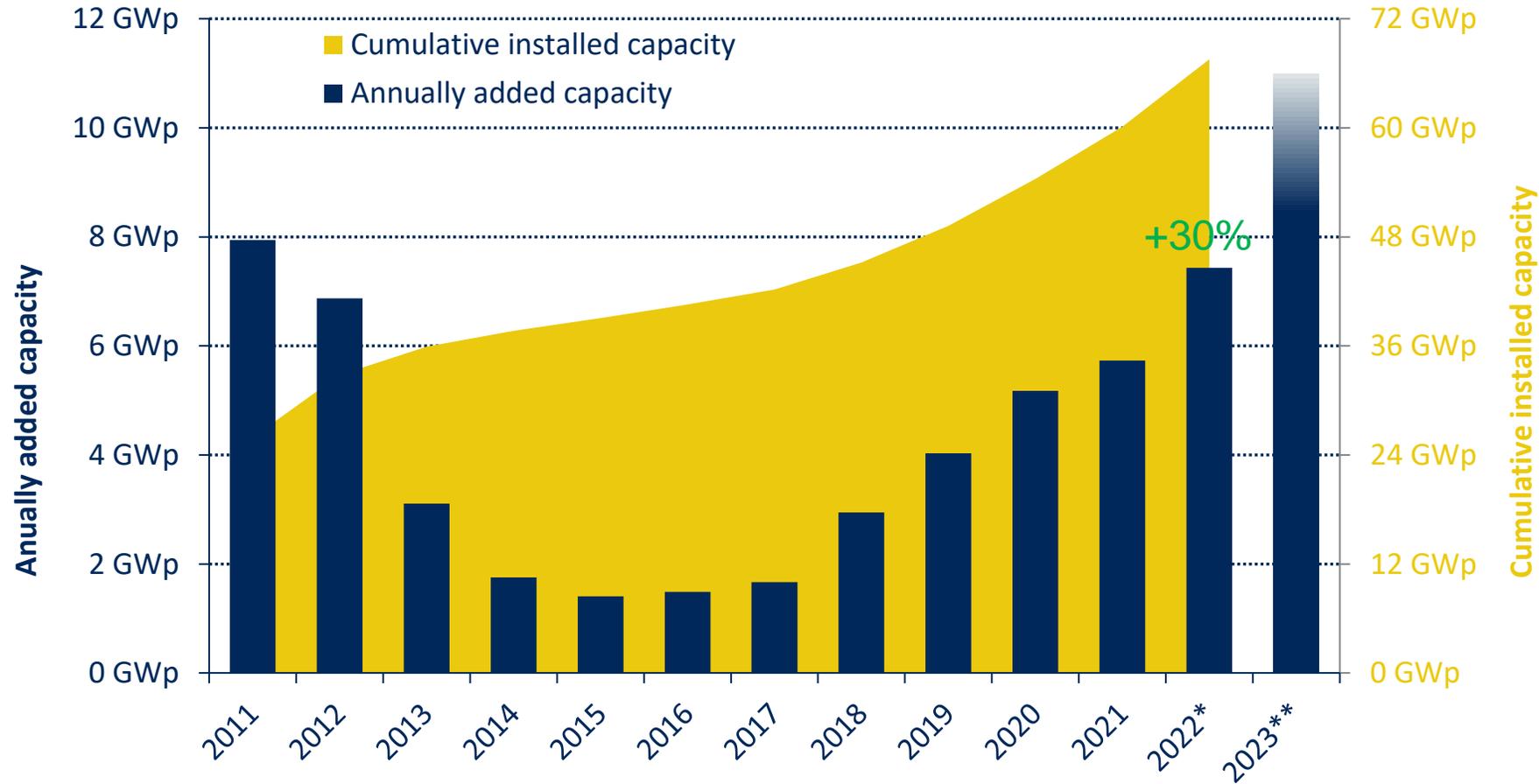
almost doubling between 2022 and 2024



Source: BloombergNEF, 3Q 2023 Global PV Market Outlook mid-scenario forecast

7.5 GWp PV capacity added in Germany in 2022*

Cumulative installed capacity of 67.5 GWp at the end of 2022*



Source: AdobeStock

Source: BSW based on Marktstammdatenregister as of 30.05.2023 and date of commissioning of PV units

*Further late registrations and corrections expected

** preliminary estimate

Trends & applications in Germany where many „firsts“ happen

Agri- and FloatingPV



750 kwp Floating PV I Heinsberg,
Germany
Source: SUNFarming



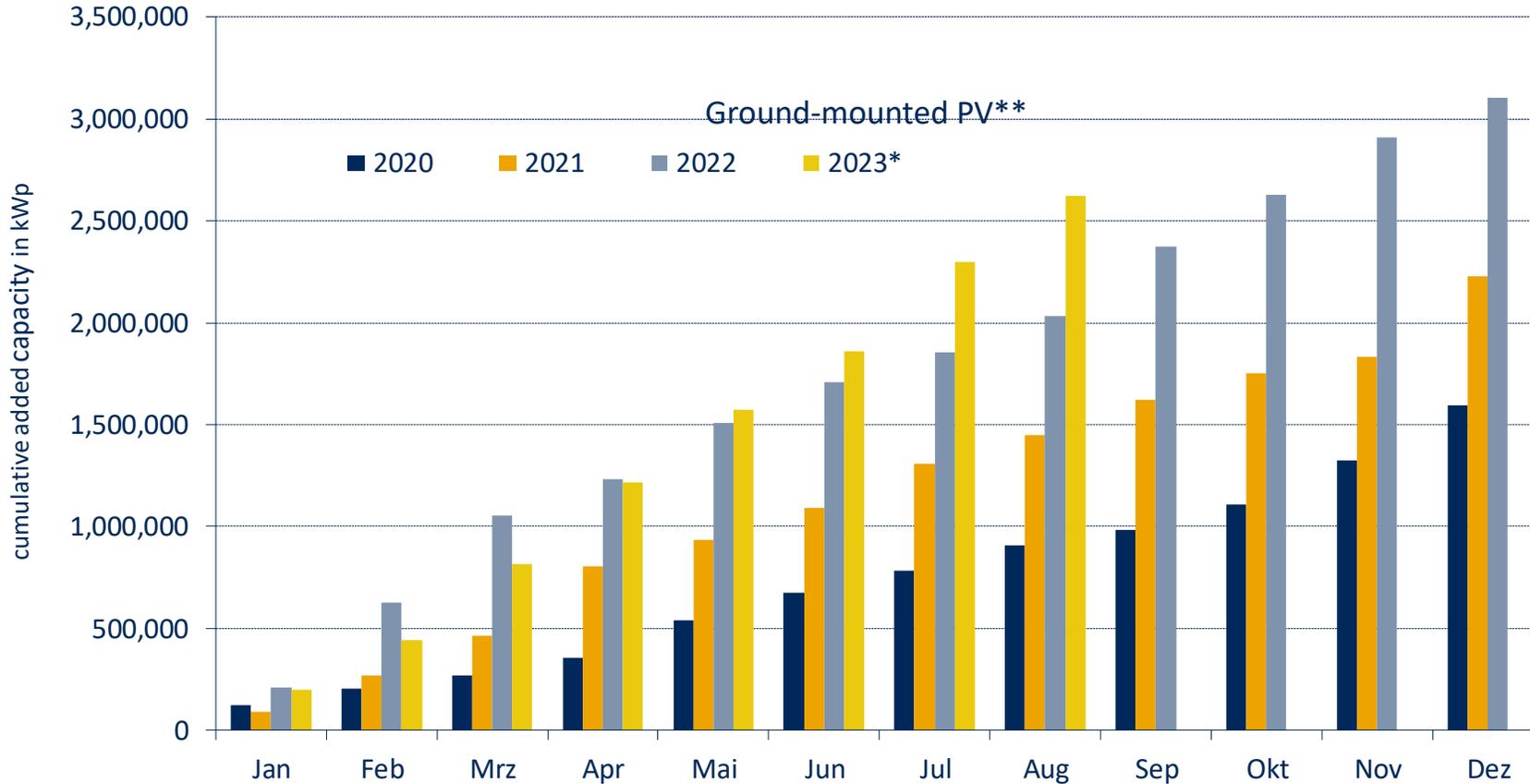
100 kwp Agri PV I Esteburg, Germany
Source: SUNFarming



7.5 MWp PV including 4 MWh storage I Pfaffenweiler, Germany
Source: BayWa r.e. AG

Ground-mounted PV** installed capacity in Germany

+ 40% in 2022 and + 29% from Jan. to Aug. 2023



Source: BSW, based on basis of Marktstammdatenregister as of 27.09.2023 and date of commissioning of PV units

*Revisions due to late registrations and corrections possible

** Includes ground-mounted PV installations of all sizes, as well as small amounts of Floating PV and Agri PV

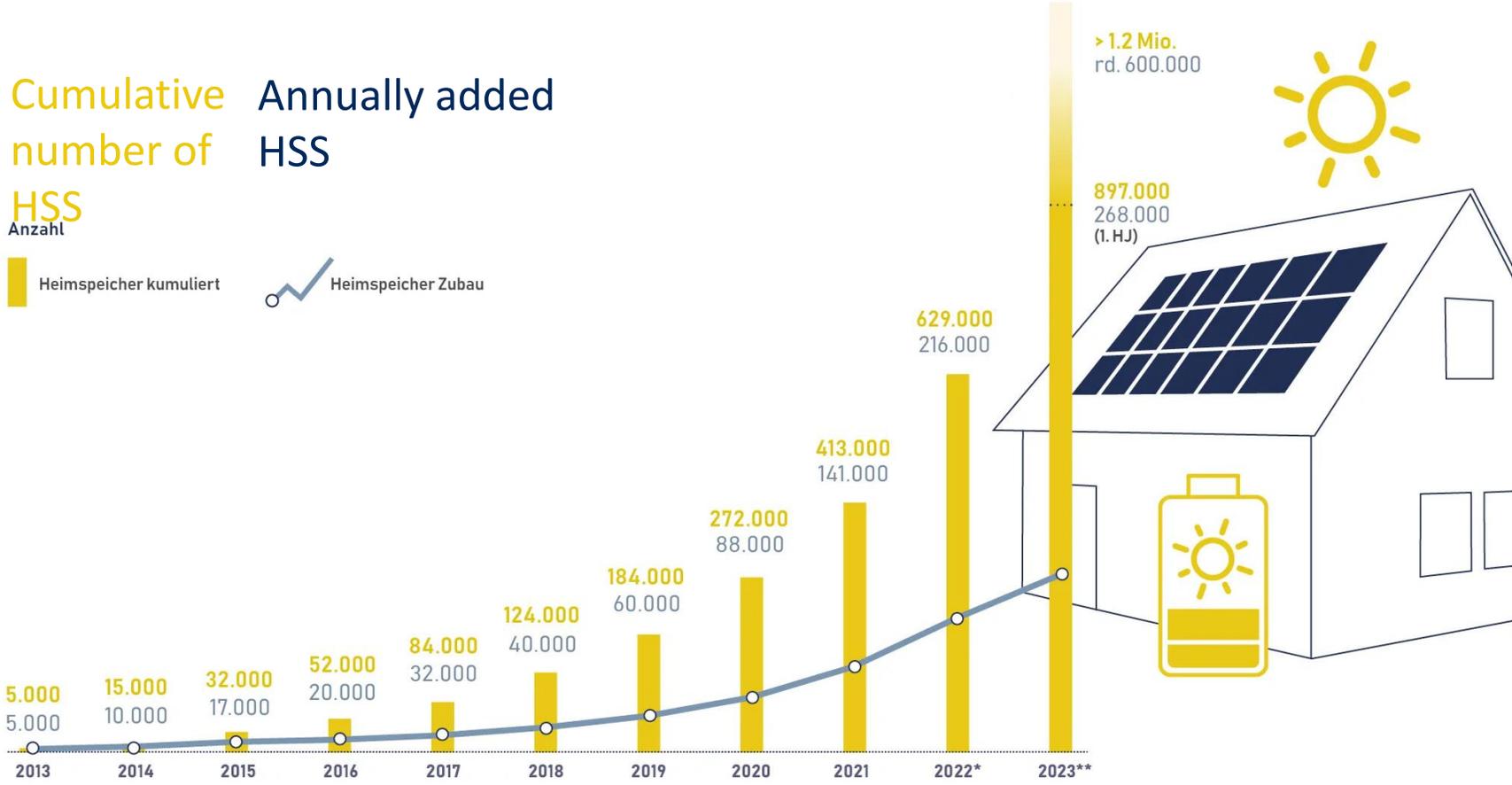
Home Storage Systems in Germany pair well with PV

End-of-year HSS additions in 2022 already reached by summer in 2023

Cumulative number of HSS Annually added HSS

HSS Anzahl

Heimspeicher kumuliert Heimspeicher Zubau



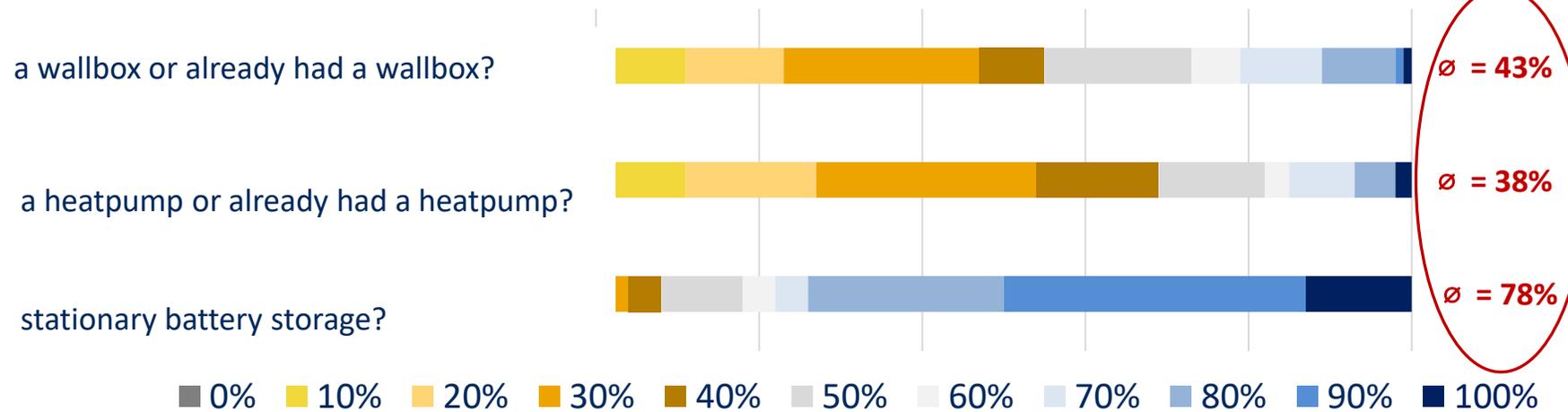
Source: BSW, based on Market Master Data Register (MaStR) and own estimates, 07/2023; *estimate; ** preliminary range of estimate

Solar Dream Team

Consisting of a PV System, Storage, Wallbox and Heatpump in High Demand



What percentage of your private customers build their own pv system in conjunction with ...



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 and many, many installers!

Logos of selected members of BSW

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- 10th anniversary of the leading international energy conference with decision makers from politics, the economy and science from over 130 nations
- exclusive networking opportunity with leading international experts of the energy transition



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**BSW is the exclusive partner to the leading PV & Storage fair
→ June 19th–21st 2024 in Munich, Germany**

Join us on our path.

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