

Renewables Global Status Report 2025 – Solar Photovoltaics (PV) - Endnotes

- 1 IEA PVPS, “Snapshot of Global PV Markets 2025”, 2025, <https://iea-pvps.org/snapshot-reports/snapshot-2025>.
- 2 IEA PVPS, “Snapshot of Global PV Markets 2025”, 2025, <https://iea-pvps.org/snapshot-reports/snapshot-2025>.
- 3 IEA PVPS, “Snapshot of Global PV Markets 2025”, 2025, <https://iea-pvps.org/snapshot-reports/snapshot-2025>.
- 4 IEA PVPS, “Snapshot of Global PV Markets 2025”, 2025, <https://iea-pvps.org/snapshot-reports/snapshot-2025>.
- 5 Karl-Heinz Remmers, ““The Solar Blitz”: How Crisis-Ridden Pakistan Is Leading the World on the “Solar March”“, PV Magazine, 4 March 2025, <https://www.pv-magazine.com/2025/03/04/the-solar-blitz-how-crisis-ridden-pakistan-is-leading-the-world-on-the-solar-march/>.
- 6 IEA PVPS, “Snapshot of Global PV Markets 2025”, 2025, <https://iea-pvps.org/snapshot-reports/snapshot-2025>.
- 7 Renewable Energy Institute, “China Surpasses 2030 Renewable Energy Goals Years Ahead of Schedule”, Accessed 17 August 2025, <https://www.renewableinstitute.org/china-surpasses-2030-renewable-energy-goals-years-ahead-of-schedule>.
- 8 IEA PVPS, “Snapshot of Global PV Markets 2025”, 2025, <https://iea-pvps.org/snapshot-reports/snapshot-2025>.
- 9 Joshua S. Hill, “China Floats Its First Gigawatt Scale Offshore Solar Park, and Completes 3GW PV Project at Old Coal Mine”, Renew Economy, 13 November 2024, <https://reneweconomy.com.au/china-floats-its-first-gigawatt-scale-offshore-solar-park-and-completes-3gw-pv-project-at-old-coal-mine>.
- 10 Ember, “Global Electricity Review 2025”, Ember, 8 April 2025, <https://ember-energy.org/latest-insights/global-electricity-review-2025>.
- 11 Ember, “Global Electricity Review 2025”, Ember, 8 April 2025, <https://ember-energy.org/latest-insights/global-electricity-review-2025>.”.
- 12 Ember, “Global Electricity Review 2025”, Ember, 8 April 2025, <https://ember-energy.org/latest-insights/global-electricity-review-2025>.”.
- 13 Ember, “Global Electricity Review 2025”, Ember, 8 April 2025, <https://ember-energy.org/latest-insights/global-electricity-review-2025>.”.
- 14 Ember, “Global Electricity Review 2025”, Ember, 8 April 2025, <https://ember-energy.org/latest-insights/global-electricity-review-2025>.”.

- 15 Ember, “Global Electricity Review 2025”, Ember, 8 April 2025, <https://ember-energy.org/latest-insights/global-electricity-review-2025>.”.
- 16 Ember, “Global Electricity Review 2025”, Ember, 8 April 2025, <https://ember-energy.org/latest-insights/global-electricity-review-2025>.”.
- 17 Ember, “Global Electricity Review 2025”, Ember, 8 April 2025, <https://ember-energy.org/latest-insights/global-electricity-review-2025>.”.
- 18 Ember, “Global Electricity Review 2025”, Ember, 8 April 2025, <https://ember-energy.org/latest-insights/global-electricity-review-2025>.”.
- 19 IEA PVPS, “Snapshot of Global PV Markets 2025”, 2025, <https://iea-pvps.org/snapshot-reports/snapshot-2025>.
- 20 IEA PVPS, “Snapshot of Global PV Markets 2025”, 2025, <https://iea-pvps.org/snapshot-reports/snapshot-2025>.
- 21 IEA PVPS, “Snapshot of Global PV Markets 2025”, 2025, <https://iea-pvps.org/snapshot-reports/snapshot-2025>.
- 22 In the United States, residential solar plus storage attachment rate jumped from 6% in Q1 2020 to 25% in Q1 2024, Max Issokson, “The state of US distributed solar-plus-storage”, Wood Mackenzie, 21 June 2024, <https://www.woodmac.com/news/opinion/the-state-of-us-distributed-solar-plus-storage>; In India, a recently issued tender for 2 GW of solar PV with co located energy storage, TOI Business Desk, “Storage shift begins: SECI Floats bids for 2000 MW solar with co-located battery systems project to support India’s 2030 grid targets”, Times of India, 12 June 2025, <https://timesofindia.indiatimes.com/business/india-business/storage-shift-begins-seci-floats-bids-for-2000-mw-solar-with-co-located-battery-systems-projects-to-support-indias-2030-grid-targets/articleshow/121806927.cms>; MENA region rapid development of Solar PV with storage projects, Chloe Cornish, “Gulf states tap cheap Chinese batteries to power renewable ambitions”, Financial Times, 18 June 2025, <https://www.ft.com/content/814baa49-3093-4aea-8227-2da9419b6a3f>.
- 23 Australia, Australian Department of Climate Change, Energy, Environment and Water, “Capacity Investment Scheme”, 12 August 2025, <https://www.dcceew.gov.au/energy/renewable/capacity-investment-scheme>; Germany, HFIE, “Solar and Energy Storage Solutions: Supporting Germany’s Grid Stability and Energy Supply”, 11 July 2025, <https://www.hfiepower.com/solar-and-energy-storage-solutions-supporting-germanys-grid-stability-and-energy-supply>; Italy, Rödl and Partner, “Energy storage in photovoltaic systems in Italy, 8 May 2024, <https://www.roedl.com/insights/italien/energy-storage-photovoltaic-systems-italy>;
- 24 Rho Motion, “China's transition from mandatory energy storage to BESS leasing solutions”, Accessed 22 August 2025, <https://rhomotion.com/news/chinas-transition-from-mandatory-energy-storage-to-bess-leasing-solutions-industry->

- update/; Japan, Andy Colthorpe, “Japan: Electric utilities KEPCO, Kyuden, make progress in emerging battery storage market”, Energy Storage News, 12 May 2025, <https://www.energy-storage.news/japan-electric-utilities-kepco-kyuden-make-progress-in-emerging-battery-storage-market/>.
- 25 IEA PVPS, “Snapshot of Global PV Markets 2025”, 2025, <https://iea-pvps.org/snapshot-reports/snapshot-2025>.
 - 26 EIA, “China’s Solar Capacity Installations Grew Rapidly in 2024: EIA,” Renewables Now, July 2025, <https://renewablesnow.com/news/chinas-solar-capacity-installations-grew-rapidly-in-2024-eia-1274055/>; John Engel, “AES Completes Phase One of Largest Solar-Plus-Storage Project in the US,” Energy Storage News, 17 June 2025, <https://www.energy-storage.news/aes-completes-phase-one-of-largest-solar-plus-storage-in-the-us/>; BrightNight Power, “Our Projects,” accessed 19 July 2025, <https://brightnightpower.com/what-we-do/our-projects/>; Uma Gupta, “JSW Energy Secures LoAs for 500 MW Solar Plus Storage, 300 MW Standalone Solar Projects,” PV Magazine India, 22 July 2024, <https://www.pv-magazine-india.com/2024/07/22/jsw-energy-secures-loas-for-500-mw-solar-plus-storage-300-mw-standalone-solar-projects/>; Max Hall, “Sterling and Wilson Wins \$141 Million EPC Deal for 500 MW Solar Project in India,” PV Magazine, 23 December 2024, <https://www.pv-magazine.com/2024/12/23/sterling-and-wilson-wins-141-million-epc-deal-for-500-mw-solar-project-in-india/>.
 - 27 Daniel Wetzels, “Neuer Rekord-Park am Netz – Übertreibt es Deutschland mit der Solar-Energie?” [New record-breaking facility connected to the grid – Is Germany exaggerating with solar energy?], Welt, 17 July 2024, <https://www.welt.de/252325390>.
 - 28 IEA PVPS, “Snapshot of Global PV Markets 2025”, 2025, <https://iea-pvps.org/snapshot-reports/snapshot-2025>.
 - 29 IEA PVPS, “Snapshot of Global PV Markets 2025”, 2025, <https://iea-pvps.org/snapshot-reports/snapshot-2025>.
 - 30 U.S. Energy Information Administration, “Solar Distributed Generation Capacity in Brazil Is Growing Rapidly,” Today in Energy, May 2023, based on data from the Brazilian Electricity Regulatory Agency (ANEEL), <https://www.eia.gov/todayinenergy/detail.php?id=56200>; International Energy Agency and IIT Delhi, “Clean Energy Innovation Policies in Emerging and Developing Economies: Solar PV Distributed Generation in Mexico”, IEA, April 2024, 175–76, <https://iea.blob.core.windows.net/assets/3fae1cd7-bb92-4d03-be7c-4e60a6f94b03/CleanEnergyInnovationPoliciesinEmergingandDevelopingEconomies-Mexico.pdf>.

- 31 Steve Hanley, "The Peril & Promise of Solar Power in Pakistan," CleanTechnica, 25 November 2024, <https://cleantechnica.com/2024/11/25/the-peril-promise-of-solar-power-in-pakistan/>
- 32 Uma Gupta, "India Hits 850,000 Rooftop PV Installations Under PM Surya Ghar Scheme," PV Magazine India, 30 January 2025, <https://www.pv-magazine.com/2025/01/30/india-hits-850000-rooftop-pv-installations-under-pm-surya-ghar-scheme/>.
- 33 Sarah Lozanova, "Solar Tax Credit News: Residential Solar ITC Ends After 2025," GreenLancer, July 2025, <https://www.greenlancer.com/post/solar-tax-credit-ending>.
- 34 Ryan Kennedy, "One Big Beautiful Bill Is Anti Solar: An Industry Reacts," PV Magazine USA, 14 July 2025, <https://pv-magazine-usa.com/2025/07/14/one-big-beautiful-bill-is-anti-solar-an-industry-reacts/>.
- 35 IRENA, Renewable Energy and Jobs: Annual Review 2024, 2024, <https://www.irena.org/Publications/2024/Oct/Renewable-energy-and-jobs-Annual-review-2024>.
- 36 IRENA, Renewable Energy and Jobs: Annual Review 2024, 2024, <https://www.irena.org/Publications/2024/Oct/Renewable-energy-and-jobs-Annual-review-2024>.
- 37 Justine Calma, "Republicans Want to Kill the Tax Credits That Sparked a Clean Energy Boom," The Verge, 25 June 2025, <https://www.theverge.com/climate-change/670047/solar-wind-energy-battery-manufacturing-tax-credits-republican-spending-bill>.
- 38 SolarPower Europe, "EU Solar Jobs Report 2023", <https://www.solarpowereurope.org/insights/eu-solar-jobs-report/>.
- 39 IRENA, Renewable Energy and Jobs: Annual Review 2024, 2024, <https://www.irena.org/Publications/2024/Oct/Renewable-energy-and-jobs-Annual-review-2024>.
- 40 IEA PVPS, "Snapshot of Global PV Markets 2025", 2025, <https://iea-pvps.org/snapshot-reports/snapshot-2025>.
- 41 IEA, "Energy Technology Perspective 2024", 2024, <https://www.iea.org/reports/energy-technology-perspectives-2024>.
- 42 Mohan Gupta, "China's Solar Module Shipments Hit 680 GW in 2024, Raising Concerns Over Growing Warehouse Stockpiles," SolarQuarter, 13 March 2025, <https://www.solarquarter.com/2025/03/13/chinas-solar-module-shipments-hit-680-gw-in-2024-raising-concerns-over-growing-warehouse-stockpiles/>; (citing CPIA production output at 588 GW and exports at 238 GW).
- 43 IEA, "Renewables 2024", 2024, <https://www.iea.org/reports/renewables-2024>.
- 44 Kanishka Singh and Aditya Kalra, "China's Industry Ministry Is Set to Tackle Price War in Solar Sector," Reuters, 3 July 2025,

<https://www.reuters.com/sustainability/climate-energy/chinas-industry-ministry-is-set-tackle-price-war-solar-sector-2025-07-03/>.

- 45 Mike Ives and Keith Bradsher, “China’s Polysilicon Prices Surge on Hope About Competition Curbs,” Bloomberg, 10 July 2025, <https://www.bloomberg.com/news/articles/2025-07-10/china-s-polysilicon-prices-surge-on-hope-about-competition-curbs>.
- 46 Yukun Zhang and Lewis Jackson, “China solar stocks surge as Beijing moves to calm price wars,” Reuters, 10 July 2025, <https://www.reuters.com/sustainability/climate-energy/china-solar-stocks-surge-beijing-moves-calm-price-wars-2025-07-10/>.
- 47 IEA PVPS, 2024, “Trends in Photovoltaic Applications 2024”, <https://iea-pvps.org/wp-content/uploads/2024/10/IEA-PVPS-Task-1-Trends-Report-2024.pdf>.
- 48 IEA PVPS, 2024, “Trends in Photovoltaic Applications 2024”, <https://iea-pvps.org/wp-content/uploads/2024/10/IEA-PVPS-Task-1-Trends-Report-2024.pdf>.
- 49 IEA PVPS, 2024, “Trends in Photovoltaic Applications 2024”, <https://iea-pvps.org/wp-content/uploads/2024/10/IEA-PVPS-Task-1-Trends-Report-2024.pdf>.