Global Rooftop and Household Solar Pledge

Draft voluntary political declaration – for discussion

This Pledge is a voluntary, non-binding declaration through which Participants commit to work together to accelerate the deployment of rooftop and household solar energy solutions by 2030 —especially rooftop solar photovoltaics (PV), including where appropriate paired with storage— as a practical, people-centred contribution to climate action, energy affordability, and energy security.

Preamble

Recognizing that rapidly scaling household and rooftop solar can deliver immediate emissions reductions while improving energy affordability and resilience for households, reducing their vulnerability and supporting socio-economic development

Recognizing that in the context of geo-political currents and energy security challenges, rooftop and household solar provides clear cost-competitive and availability advantages, limiting reliance on international fuel markets

Recognizing that household and rooftop solar can expand energy autonomy and deliver clean electricity without the land-use conflicts associated with some forms of large-scale generation

Recognizing that accelerating household and rooftop solar deployment can generate local jobs and community-wide economic benefits, including through installation, maintenance, training and associated services

Recognizing that current global deployment trajectories remain insufficient to meet mitigation, adaptation, and energy-resilience goals, leaving substantial clean-energy potential unrealised

Recognizing that greater political attention, practical cooperation, and fit-for-purpose finance mechanisms are needed to complement ongoing investment in electricity grids and broader energy transition efforts

Recognizing that household and rooftop solar deployment benefits from enabling policy settings, streamlined approvals, safe and timely grid connection, and consumer protections that build public confidence

Recognizing that the mitigation potential, enabling conditions, and optimal delivery pathways vary by country and region, and national approaches should reflect local circumstances and equity considerations

Recognizing that household and rooftop solar acceleration should complement and supplement—not replace—other actions to reduce greenhouse gas emissions, including decarbonising industry, transport, and the broader electricity system

Recognizing that improving the transparency, accuracy, and comparability of data on household solar deployment, grid integration, and associated emissions impacts can support more ambitious and credible action

Recognizing that sub-national governments, cities, local communities, utilities, and the private sector play essential roles in enabling and delivering household solar at scale

The Participants in the Global Rooftop and Household Solar Pledge

Participants:

Commit to work together to accelerate rooftop and household solar deployment and collectively strive to enable at least 300 million households to be served by solar rooftops by 2030, in light of equity and the best available science, and consistent with national circumstances and capacities

Commit to take comprehensive domestic actions to achieve this ambition, including establishing or strengthening enabling policy settings, targeted incentives for households, and partnerships with local and regional governments

Commit to reduce non-financial barriers by streamlining permitting and approvals, improving consumer information, and supporting safe and timely grid connection processes, including appropriate metering and interconnection arrangements

Commit to strengthen grid readiness for distributed energy resources through planning, standards, and operational practices that support high penetrations of household solar, including where appropriate paired storage and demand management

Commit to mobilise public and private finance at scale by promoting accessible household finance options,in the context of the UNFCCC's pledge to treble finance to developing countries by 2035

Commit to support workforce capacity and development and quality assurance—including training, certification, labour protections and safety standards—to ensure installations are reliable, affordable, and create quality jobs.

Commit to work individually and cooperatively to share lessons learned, technical assistance, and best practice—including through city networks and other sub-national platforms—to accelerate implementation

Resolve to review progress towards the ambition of the Global Rooftop and Household Solar Pledge on an annual basis until 2030, including through a dedicated ministerial or high-level meeting, and to strengthen cooperation based on evidence and experience.

Call on other states and relevant stakeholders to join the Global Rooftop and Household Solar Pledge and to support practical implementation pathways that expand household and community-level access to affordable, clean energy.

Annex: Illustrative Areas for Cooperation (non-exhaustive)

Participants may collaborate, as appropriate, across the following areas to support faster and fairer household solar deployment:

- Policy and regulation: model policies for rooftop solar, consumer protections, and streamlined approvals.
- Grid integration: distribution planning, hosting capacity tools, interconnection standards, and operational practices for distributed energy resources.
- Finance: approaches to reduce up-front costs, improve credit access, and deploy blended or concessional finance where relevant.
- Equity and access: programs that expand access for low-income households, renters, apartment dwellers, and communities with limited rooftop suitability.
- Public-sector leadership: leveraging public buildings and procurement to build supply chains, reduce costs, and demonstrate best practice.
- Data and transparency: shared indicators and reporting approaches for deployment progress, quality, and system impacts.
- Capacity-building: training, certification, and quality assurance systems, including labour protections and safety standards.
- Knowledge exchange: peer learning across countries, cities, utilities, and practitioners.