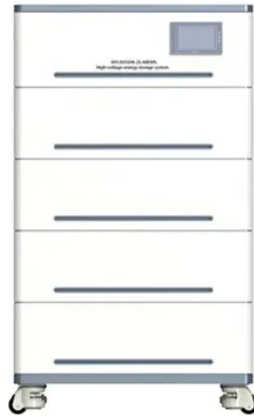


Data on off-grid solar power generation



Overview

This publication presents statistics for the period 2015-2024 in trilingual tables, covering off-grid solar, hydro, bioenergy, and wind power capacity, as well as biogas production and the number of people using off-grid power and biogas for cooking and lighting. Off-grid electricity production from renewables, although largely unrecorded in. The International Renewable Energy Agency (IRENA) is an intergovernmental organisation that supports countries in their transition to a sustainable energy future, and serves as the principal platform for international co-operation, a centre of excellence, and a repository of policy, technology. By integrating survey data, administrative records, and desk research, the International Renewable Energy Agency (IRENA) has sought to highlight key trends in off-grid renewable energy deployment. This shows a positive trend and the ongoing demand for off-grid solutions despite macroeconomic headwinds, including high inflation and climate emergencies. Sales of off-grid solar technologies by GOGLA. With 660 million people projected to remain without Tier 1 electricity access by 2030 and a growing 1. In 2023 alone, the sector served 561 million people, driving 55% of new connections in.



Article Content

ABB Group | Helping industries outrun – leaner and cleaner | ABB

Global technology leader in electrification and automation. ABB helps industries run at high performance, while becoming more efficient, productive and sustainable.

Advancing Energy Access: The 2024 Off-Grid Solar Market Trends

The 2024 edition of the Off-Grid Solar Market Trends Report, published by the World Bank/ESMAP and GOGLA with support from Dalberg, provides vital insights for investors, industry professionals,

SignatureSolar : Solar Panels, DIY Off-Grid Solar, Server Rack ...

Signature Solar provides solar panels & components and full kits for off-grid, grid-tie and custom diy solar systems. Providing Solar 101 and hands on experience within the solar industry. Quality

Physical Achievements | MINISTRY OF NEW AND RENEWABLE

Solar Power* (Cumulative) : 157.05 GW Ground Mounted Solar Plant : 118.79 GW Grid Connected Solar Rooftop: 27.88 GW Hybrid Projects (Solar Component) : 4.06 GW Off-Grid Solar:

Off-grid Renewable Energy Statistics 2024

This publication presents statistics for the period 2014-2023 in trilingual tables, covering off-grid solar, hydro, bioenergy and wind power capacity, biogas production and numbers of people using off-grid

IRENA – International Renewable Energy Agency

Digitalisation and AI for transforming power systems: Case studies from IRENA Innovation Week 2025 This report presents successful examples of solutions supporting renewable energy integration, grid

OFF-GRID SOLAR MARKET TRENDS REPORT 2024

This report shows that the last two years have seen an increase in the sale of income-generating solar appliances for businesses and farms and the use of off-grid solar to electrify schools and health centres.

Victron Energy | Independent energy systems

Why having solar wasn't enough until this farm added batteries Sheepdrove Organic Farm had been generating renewable energy for decades. Solar, wind, ground

Off-grid Renewable Energy Statistics 2025 – Power Library

This publication presents statistics for 2015–2024 in trilingual tables, covering off-grid solar, hydro, bioenergy, and wind capacities, alongside biogas production and the number of people

Solar and Storage Industry Research Data – SEIA

Solar and storage have become the backbone of new electricity infrastructure in the U.S. In 2025, 54% and 25% of new capacity added to the grid came from solar

Executive summary – Kenya 2024 – Analysis

Kenya has also utilised off-grid solutions, mainly solar-powered mini-grids in remote areas, to expand access. These are used by one in five households. Kenya is

Off-Grid Solar Market Trends Report 2024 | ESMAP

The Off-Grid Solar Market Trends Report Series has become the go-to source of data and analysis on the off-grid solar sector for investors, industry members, policymakers, and other stakeholders.

Off-grid renewable energy statistics 2025

Off-grid renewable power capacity data reflects the capacity installed and connected at the end of the calendar year. The data is presented in megawatts (MW) rounded to three decimal places.

The 2024 Global Off-Grid Solar Market Report

Download the report to explore sales data by country and region and uncover some of the more specific trends behind the global numbers and to see the impact of the off-grid solar industry.

Solar, battery storage to lead new U.S. generating capacity additions ...

We expect 63 gigawatts (GW) of new utility-scale electric-generating capacity to be added to the U.S. power grid in 2025 in our latest Preliminary Monthly Electric Generator Inventory

New Energy Outlook 2026

The New Energy Outlook is BNEF's annual report focused on long-term energy and climate scenarios for the energy transition.

Off-grid renewable energy highlights 2025

In 2025, IRENA Statistics conducted a methodology review to enhance the accuracy and timeliness of off-grid renewable energy statistics, with a focus on solar lights and solar home systems.

Levelized Cost of Energy+ (LCOE+) | Lazard | Lazard

Lazard's Levelized Cost of Energy+ (LCOE+) is a widely-cited, annual analysis that provides insights into the cost competitiveness of various energy generation

Global Off-Grid Solar Market Report Annual Sales & Impact Data

In 2024, access to solar energy kits (SEKs) grew at a rate of almost 4% when compared to 2023. This shows a positive trend and the ongoing demand for off-grid solutions despite macroeconomic

Tech & Work Archives | TechRepublic

Elon Musk's AI ecosystem spans xAI, Tesla, X, Neuralink, and SpaceX, connecting chatbots, robots, brain implants, and spacecraft. If you can only read

Renewable Energy UAE Solar & Energy Solutions

Leading solar energy company in UAE & Dubai | Positive Zero offers solar panels, Battery Energy Storage Systems, on-grid & off-grid solar systems, EV charging

Short-Term Energy Outlook

Coal generation in our forecast declines by 2% from last summer. This decline is offset by an increase of 19% in utility-scale solar generation relative to

Press | Company | Siemens

Infineon and Siemens collaborate to drive semiconductor circuit breaker technology for data centers, production facilities and battery storage systems Semiconductor circuit breakers are

Electricity generation, capacity, and sales in the United States

The U.S. Energy Information Administration (EIA) publishes data on two general types of electricity generation and electricity generation-capacity: Utility scale includes electricity generation

Contact Us

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