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Solar Power in Africa 2021

Opportunities for Suppliers, Developers and Investors

- ❖ Research Report
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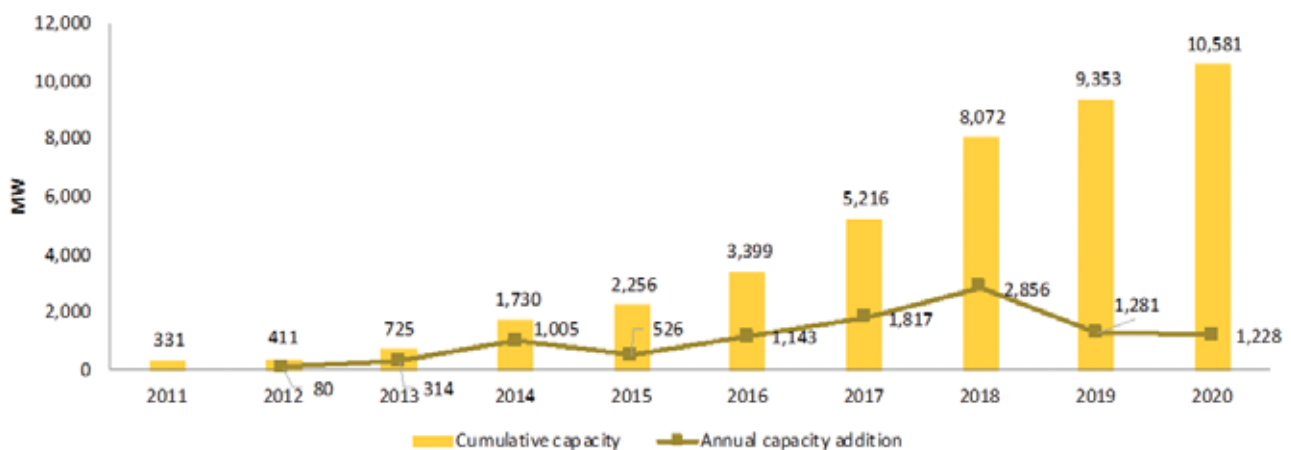
The Solar Power in Africa 2021 report will help you:

- ❖ An assessment of the state of the solar power sector in Africa and emerging opportunities
- ❖ Details of the various policies/regulations governing the solar power sector in African countries
- ❖ The key trends, opportunities, and challenges across the solar power segments (utility-scale, commercial & industrial and minigrids/microgrids)
- ❖ In-depth progress and developments in the solar sector across 30 African countries
- ❖ Assessment of the current and future project pipeline across African countries
- ❖ Major project developers, their current initiatives, and future plans across solar power segments in key African markets
- ❖ Country-wise outlook for solar power sector over the next few years

Africa has the potential to be one of the most significant markets in terms of solar power deployment. There is a large unmet demand in the region as close to 600 million Africans do not have access to electricity. Solar projects of all sizes and categories are gaining traction. In fact, Africa has seen an increasing uptake in solar over the past ten years with capacity increasing from just 331 MW in 2011 to 10,581 MW by the end of 2020. The growth drivers for increasing solar penetration in Africa can be visualised in terms of socio-economic factors, government push, cost viability of solar and growing ecosystem.

Policy and regulatory initiatives to add large solar power generation capacities are under way across Africa. The most important trend in the policy and regulatory space is that many countries are transitioning from the feed-in-tariff regime to auctions for allocation of solar power projects. This will help create a more competitive market with transparent allocation of solar projects, thus, attracting investments. In the recent years, the region is getting significant support from a large number of development finance institutions, financial donors and climate funds that are looking to mitigate the risks associated with solar projects, both grid-connected and decentralised.

Annual solar power growth trends in Africa



Source: IRENA; India Infrastructure Research

Till data majority of the upcoming solar capacity is in the form of large utility-scale projects. Going forward, C&I solar and solar minigrids are also expected to gain traction as they offer consumers an opportunity to be independent from unreliable grids with the help of cost-effective and cleaner solar power through many specialised developers and IPPs along with affordable business models.

The report on Solar Power in Africa 2021 provides a detailed view of the growth, developments, potential, and emerging opportunities in the solar power space across Africa with a special focus on 30 countries. The report tracks the growth prospects as well as outlook across three major solar segments in Africa: utility-scale, commercial and industrial, and microgrids, highlighting the operational projects and upcoming project pipeline along with the capacities, technologies, country-wise assessment, and key players. By presenting a detailed analysis of 30 countries with regards to growth trends, project assessment, policy environment, costs and tariffs, and capacity as well as investment projections, the report aims to analyse the growth outlook in Africa's solar space and identify the key investment hotspots in this region. The key objectives of this report are to analyse the growth trajectory, segment-wise outlook, supportive policy and regulatory regime, the key emerging trends and challenges, cost and investment requirement as well as the future outlook for solar power market in Africa.

Executive Summary

SECTION A: MARKET OVERVIEW AND SEGMENT REVIEW

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- ❖ Overview
- ❖ Key growth drivers
- ❖ Cost competitiveness of solar power
- ❖ Solar power's promising attributes
- ❖ Targets and mandates for solar power, by country
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- ❖ Emerging industry structure

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- ❖ Growth in capacity for microgrids and minigrids
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❖ Upcoming solar capacity

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❖ Key issues and challenges

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- ❖ Sudan
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- ❖ Tunisia
- ❖ Uganda
- ❖ Zambia
- ❖ Zimbabwe

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