

What is Uganda Solar Energy Association (USEA)?

Uganda Solar Energy Association (USEA) is an independent nonprofit association dedicated to facilitating the growth and development of solar energy business in Uganda and the East African region.

What is energy access Uganda?

L'énergie est notre avenir, économisons-la. ENGIE Energy Access Uganda offers expandable solar home systems, providing lighting, phone charging, TV, radio and more, financed through affordable instalments via mobile money (Airtel and MTN). We enable those seeking clean, off-grid energy to access both power upgrades and other life-changing loans.

What is solar energy used for in Uganda?

Solar energy is used to generate electricity, heat water, and provide lighting in Uganda. It can also be used to power homes, hospitals, schools, and businesses. Solar energy is an ideal choice for rural areas in Uganda where access to electricity is limited.

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How much does a solar system cost in Uganda?

SolarNow in Uganda, for example, offers packages such as the following: 250 W system with 15 lights for USD 85 per month with a deposit of USD 431. Similar pre-paid models are being implemented broadly in Kenya, Tanzania and Uganda by M-KOPA SOLAR, and in Ghana by PEG Ghana Solar.

Is Uganda a good place to invest in solar power?

Despite solar capacity of just 7% in the country, Uganda's eight hours of sunshine per day represents huge potential for solar power's development. Attracting investment is key. As part of efforts to scale up solar PV investment, the government of Uganda introduced model contracts in their investment guides.

According to the ministry of Energy and Mineral Development, about 10 per cent of Uganda's population has access to electricity. The situation is worse in rural areas where less than five per cent of the households are connected to electricity.

The solar energy capacity was analyzed and discussed using both Uganda National Meteorological Authority (UNMA) ground data and MeteoNorm derived data. Performance of grid-connected photovoltaic power plants was investigated as an alternative renewable energy solution using PVsyst.

This report provides an analysis of the market mechanisms of technology diffusion, the key drivers and determining factors, which lead to this uptake of captive solar PV in Uganda, and shares lessons and recommendations.

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