

# Soroti solar power plant





## Overview

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The Soroti Power Station is a 10 MW (13,000 hp) solar power plant in Uganda. It was the largest grid-connected, "privately-funded solar power plant at opuyo, soroti district in uganda, outside of South Africa" at its commissioning and until the Pilot Solar Power Plant (20MW) of The Xsabo Group in Kabulasoke (Kabulasoke).

The power station is located in , southeast of the city of in the of Uganda, approximately 282 kilometres (175 mi) by road north-east of , the country's capital and largest city.

The power station was developed by a of Access Power Limited (through its subsidiary Access Uganda Solar), a company based in the United Arab Emirates(Sunztech).

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The power station has a 10 megawatt capacity. Its output is sold directly to the for integration into the national grid. The power is evacuated via a substation near the station. It has been estimated that the energy.

The construction costs were US\$19 million. The project received partial funding from the through . On 12 December 2016, the solar plant was.

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What is Soroti solar power plant?

The Soroti solar power plant is the first grid-connected solar plant in Uganda and, at the time of its commissioning in December 2016, it was the largest solar power plant in East Africa.

How much electricity does a solar plant produce in Soroti?

Therefore, if each household, on average consumed this amount of electricity per month, the electricity generated by the solar plant can supply electricity to over 34 880 domestics electricity consumption. This is equivalent to about 63.5% of households in Soroti, which was 54 921 based on the 2014 national



census ( [ 49 ], page 20). Fig. 6.

Is Soroti solar power plant economically viable?

For an economically viable utility-scale grid connected solar PV system, a payback period between 8 and 18 years is recommended by Ref. Therefore, at this tariff rate, it can be concluded that Soroti solar power plant is economically viable.

What is the performance of Soroti solar PV plant?

Overall, the performance of the Soroti solar PV plant is comparable with installations within African countries and tropical countries. The annual specific yield of 1670.2 kWh/kW and performance ratio of 75.84%, are respectively within reported ranges of 1419.1 kWh/kW and 1788.5 kWh/kW, and 67.9% and 84.0%. 3.2. Economic performance indicators i.

What are the economic indicators for Soroti solar power plant?

Table 6. Summary of the estimated economic indicators for the Soroti solar power plant. When a tariff of US\$0.1637/kWh is used, which is the amount receivable by the project owner, the simple payback period and discounted payback period are estimated as 8.20 years and 9.28 years, respectively.

How many people live in Soroti?

This is equivalent to about 63.5% of households in Soroti, which was 54 921 based on the 2014 national census ( [ 49 ], page 20). Fig. 6. Quarterly energy production by Access Solar plant. Fig. 7 presents the daily quarterly and annual mean final energy yield for the solar power plant.



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### news

Minister Irene Muloni, together with representatives of Access Power, EREN RE and donors celebrated today the inauguration of the solar power plant in Soroti, Uganda. Made up of 32,680 photovoltaic panels, the new 10 megawatt facility is the country's first grid-connected solar plant and will generate clean, low-carbon, sustainable electricity to 40,000 homes, schools and ...

### East Africa's largest solar plant begins operation in Uganda

Made up of 32,680 photovoltaic panels, the new 10MW facility is Uganda's first grid-connected solar plant and East Africa's largest and will generate clean, low-carbon, ...



### Local leaders question the significance of Soroti solar plant

Soroti, Uganda , THE INDEPENDENT , Local leaders in Soroti have raised concern over the capacity and significance of Soroti Solar Plant to the region. Soroti Solar Plant was switched on in December 12th, 2016. The plant was built at US\$19 Million approximately UGX 68 Billion to supplement hydro power supply in the region. The Solar ...

### 10 MW EU funded Tororo Solar Power Plant opens , EEAS

Building Energy S.p.A, multinational company



operating as a Globally Integrated IPP (Integrated Power Producer) in the Renewable Energy Industry, announces the Inauguration of the Tororo Solar Plant, its first photovoltaic system in Uganda, located at around 10 km from the border with Kenya.



### Analysis of solar photo-voltaic for grid integration ...

The annual energy trend of the three 10MW solar plants (Tororo, Soroti and Mayuge) ranges between 10.2 GWh and 15.2 GWh. FIGURE 4 Open in figure viewer PowerPoint Annual energy production for (A) Kabulasoke, (B)

### Uganda's Grid-Connected Solar Portfolio Increases

Uganda's Solar Energy production has increased following the addition of 10 MWp to the national grid, with the commissioning of the Bufulubi Power Plant in Mayuge District on 6 th June 2019. The Country's grid-connected Solar PhotoVoltaic portfolio now stands at 50 MW.



### Techno-economic assessment of 10 MW centralised ...

Soroti Solar Power Plant (2016) Access solar Uganda 10 19.0 Tororo Solar Power Plant (2017) Tororo Solar North Ltd 10 19.6 Kabulasoke Pilot Solar Park (2019) MSS Xsabo Power Ltd 20 25.0 Bufulubi



### Access Power & partners launch construction of Ugandan solar plant

The \$19 million photovoltaic project, based in Soroti northeast of Kampala, will be owned and operated by Access Uganda Solar Ltd, a partnership between EREN and Access Power. In a company statement, Access Power disclosed that the 10MW solar plant is expected to be operational and connected to the national grid by July 2016, providing



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### [Soroti Solar Power Station](#)

> Stats > Uganda > Power Plants > Soroti Solar Power Station Soroti Solar Power Station is a solar power plant with a total output of 10.00 MW. OpenStreetMap Wikipedia (Soroti Solar Power Station) Wikidata Generators Source Output Count Total output



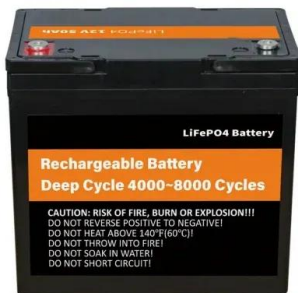
### Huge solar plant beams power, hope to rural Uganda , Monitor

Ambrose Kamukama, Operations and Maintenance Engineer from Access Uganda Solar Limited, works at Soroti Power plant in Soroti District about 300 kilometres northeast of the capital Kampala, on



### Grid-connected Solar power plant in operation in Uganda

There is increasing interest in solar PV installations in Uganda, however, there is little or no information available on performance of solar PV systems in Uganda. Journal Pre-proof





### East Africa's Largest Solar Power Plant Starts Operations in Soroti

Located on a 33 acre plot of land in Soroti District, the Solar Power Plant has the potential to increase its net output capacity by a further 20MW of solar energy. At peak construction the plant had over 120 local workers involved, including engineers recruited and trained by Access Power and EREN RE.



### [Uganda's Kabulasoke solar power plant](#)

Kabulasoke: A critique on where and how to use solar electric energy Kampala, Uganda , ENG. KANT ATEENYI KANYARUSOKE , First, we will congratulate Ugandans and their son Dr. David Alobo for the recent commissioning of a 20 MW photovoltaic power plant. The project follows the 2016 Soroti solar plant of 10 MW, which was famed as ...



### Techno-economic assessment of 10 MW centralised grid-tied solar

The Soroti solar power plant is the first grid-connected solar plant in Uganda and, at the time of its commissioning in December 2016, it was the largest solar power plant in East Africa.



### East Africa's Largest Solar Plant Helps Uganda to 'GET FIT'

Honorable D'Ujanga Simon, Minister of State for Energy - together with representatives of Access Power, EREN RE and donors - have celebrated the inauguration of East Africa's largest solar power plant in Soroti, Uganda; a success story to end a year where power generation has been one of the continent's primary concerns and talking points.



### Techno-economic assessment of 10 MW centralised grid-tied ...

The Soroti solar power plant is the first grid-connected solar plant in Uganda and, at the time of its commissioning in December 2016, it was the largest solar power plant in East ...



### E.A largest solar power plant commissioned in Soroti

With the commissioning of East Africa's largest solar power plant yet in Opuyo parish, residents of Soroti now have hope that they can enjoy more affordable and stable power supply. Located on 33-acre land, the \$19 million power plant generates 10MW with potential to increase capacity output by a further 20MW. It is the country's first grid-connected solar plant ...



### AN ASSESSMENT OF SOLAR ENERGY ADOPTION IN SOROTI ...

reliability and adoption of PV Solar energy in Soroti City 1.5 Specific Objectives The study was guided by the following objectives; i. To examine the relationship between household energy needs and PV Solar adoption in Soroti City. ii. To assess the



### Uganda Opens First Grid Connected Solar Plant

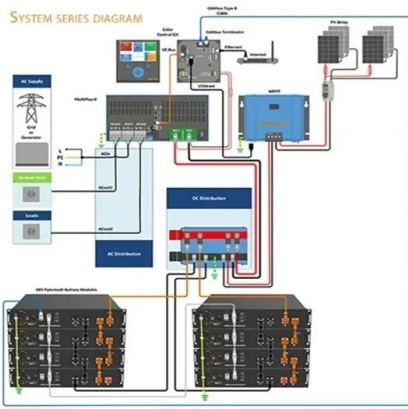
Residents of Soroti in eastern Uganda can now enjoy more affordable and stable power supply following the commissioning of a new 10 megawatt solar plant this afternoon. The USD 19 million (67 billion Shillings) facility located in Opuyo parish, is the country's first grid-connected solar plant.



### Soroti Solar Plant a big success, donors say , Monitor

SOROTI. The governments of Norway, Germany, the United Kingdom and the European Union have hailed the Soroti Solar Plant describing it as a success story from which the Uganda government

12V 10AH



### East Africa's Largest Solar Plant Starts Operations

inauguration of the solar power plant in Soroti. Made up of 32,680 photovoltaic panels, the new 10 megawatt facility is the country's first grid-connected solar plant and will generate clean, low ...

### Uganda Starts Up First Solar Power Plant in Bid to Tap Renewables

The plant, a vast field of some 32,600 photovoltaic panels, is located in Soroti in northeastern Uganda and the electricity generated will help power at least 40,000 homes.



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### Solar interest grows as Soroti project takes off

Solar panels at Soroti solar power plant The growth of solar energy from such small settings has evolved into the big stage with the Soroti project being the first to connect units on the national grid. The launch of the 10MW solar power plant in Soroti on Monday



## In Uganda, Solar Power Plant Amid African Bush Inspires Hope

In this photo taken June 30, 2016, a Ugandan worker levels the ground at a solar plant in Soroti about 300 kilometers east of Uganda. He hopes the new solar plant will end the power blackouts.



### [Soroti Solar PV , African Energy](#)

Uganda: Soroti solar plant starts operations  
Uganda Power In depth Issue 324 - 27 May 2016  
AEEP reports mixed progress on targets  
If you require further analysis on a project or market African Energy can meet your needs with bespoke consultancy. For

## Uganda launches East Africa's largest solar power plant

If Uganda is to provide cheap and clean electricity, the government should invest more in solar technology, a European Union envoy has said. Kristian Schmidt, the head of delegation at the European Union in Uganda, said the country is a good place to invest in solar energy, and that the private sector should be supported in order to make more investments. ...



### **Uganda: Soroti solar plant starts operations , African Energy**

The 10MW Soroti solar plant was formally inaugurated on 12 December. The \$19m project was developed under the Global Energy Transfer Feed in Tariff (GET FiT) ...



### Tororo Solar Power Station

What links here Related changes Upload file Special pages Permanent link Page information Cite this page Get shortened URL Download QR code Tororo Solar Power Station, also Tororo Solar North Power Station, is a 10 megawatts (13,000 hp) solar power plant in Uganda, the third-largest economy in the East African Community.



### **Soroti Solar Plant a big success, donors say , Monitor**

United Kingdom and the European Union have hailed the Soroti Solar Plant describing it as a success story from which The energy this plant is generating is equivalent to using 15,000 litres of

### **Access, Eren RE open 10-MW solar park in Uganda**

The solar power plant at Soroti, Uganda Dubai-based Access Power and France's Eren Renewable Energy (Eren RE) on Monday held an inauguration ceremony for a 10-MW solar park in Uganda, the largest in East Africa. The facility, Uganda's first grid

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### **Uganda launches East Africa's largest solar power plant**

Uganda has launched a 19 million U.S. dollar solar power plant In the remote eastern district of Soroti, of the country.The project which is the largest in East Africa, is the latest addition to



## Uganda launches East Africa's largest solar power plant

Uganda has launched a 19 million U.S. dollar solar power plant in the remote eastern district of Soroti, of the country. The project, which is the largest in East Africa, is the ...



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