

## Solar Storage Container Solutions

# Sudan Solar Water Pump



## Overview

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13 August 2024 - In a joint effort to improve access to clean water, the United Nations Development Programme (UNDP) Sudan, the State Water Corporation of Kassala, and the Kassala Local Authorities inaugurated two new solar-powered water pumps. Can solar water pumps be used for irrigation in Sudan?

Currently, there are many projects aiming at implementing solar water pumping systems in Sudan such as Solar for Agriculture; an ongoing project that aims at promoting the use of solar water pumps for irrigation in Sudan, by targeting 1468 solar pumps in the Northern state, the project expected to be concluded in the year 2021 [6].

What is the solar energy potential of Sudan?

The African Development Bank (AFDB) has another project in the west and north Kordofan states. Sudan possesses a relatively high amount of solar energy, the annual global horizontal irradiation (GHI) varies between 2118-2483 kWh/m<sup>2</sup>/year [7]. Sudan photovoltaic electricity potential is shown in Fig. 1.

How much water does irrigation use in Sub-Saharan Africa?

In sub-Saharan Africa, approximately 78% of large- and small-scale irrigation schemes use surface water, while 20% make use of groundwater resources [2].

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### Water, not War: How Solar Water Pumps Empower Displaced ...

Jan 10, 2024 · By solarizing water distribution pumps, UNDP is helping to deliver the following benefits: Uninterrupted water supply: No more relying on grid electricity or expensive fuel - the ...

### Solar water pumping clean water for Sudan rural areas

Oct 1, 2001 · Solar energy is suitable for small-scale water pumping in remote areas where the demand is regular, such as for drinking water, but it may also be used for irrigation. Most areas ...



### Sudan Solar System AC Submersible Pump Borehole Deep Well Solar Water

Product Specifications -- Product Description  
Sudan Solar System AC Submersible Pump  
Borehole Deep Well Solar Water Pump 7.5HP  
Solar Pump 10 Years Factory Manufacture ...

### Solar-Powered Water Pumps Help Farmers in Sudan

The water required for life must be pumped up using energy from over 100 m depth. MENA-

Water has now installed a photovoltaic solar system that provides the necessary electricity to operate ...



## UNDP Sudan: Turnkey Solar PV Water Pump for Irrigation

Jul 20, 2025 · UNDP Sudan - Supply and Installation of Turnkey Solar PV Water Pump System for Irrigation Agriculture is crucial in Sudan's rural areas, but limited rainwater supplies and ...

## South Sudan Togo Sierra Leone Libya Africa Solar Water Pump

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Aug 14, 2025 · South Sudan Togo Sierra Leone Libya Africa Solar Water Pump Bomba Pompe Brushless DC Motor Sun Power with MPPT Controller, Find Details and Price about Solar ...



## UNDP And Local Authorities Launch Solar-Powered Water

Sep 3, 2024 · In a collaborative effort to improve access to clean water, the United Nations Development Programme (UNDP) Sudan, the State Water Corporation of Kassala, and ...

## Solar for agriculture: Empowering farmers in Sudan

Jun 22, 2020 · The "Solar for Agriculture" initiative forms part of UNDP Sudan's broad efforts to drive solar and wind energy forward in agriculture, transport, ...



## Harnessing the Sun: Solar Photovoltaic Water Pumping ...

May 13, 2025 · The article discusses the solar photovoltaic (SPV) water pumping system as an effective technology for providing clean drinking water in rural Sudan, where abundant solar ...

## Sudan Solar System AC Submersible Pump Borehole Deep Well Solar Water

Product Specifications -- Product Description  
Sudan Solar System AC Submersible Pump  
Borehole Deep Well Solar Water Pump 10HP  
Solar Pump 10 Years Factory Manufacture ...



## Clean water for all , UNICEF Sudan

2 days ago · Now, water is pumped using solar energy into two large tanks, treated and chlorinated, then distributed to 24 water points across the camp. In a predominantly hot ...

## Promoting the Use of Electric Water Pumps for ...

Aug 8, 2025 · Under the project Promoting the use of electric water pumps for irrigation in Sudan, the Ministry of Water Resources Irrigation and Electricity, ...

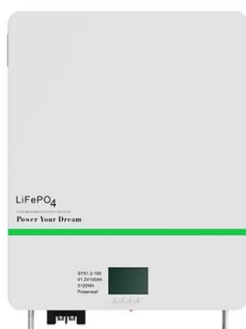


## Sudan Solar System AC Submersible Pump Borehole Deep Well Solar Water

Product Specifications -- Product Description  
Sudan Solar System AC Submersible Pump  
Borehole Deep Well Solar Water Pump 15HP  
Solar Pump 10 Years Factory Manufacture ...

## Installing Solar-Powered Water Pumps in the Sudan to ...

Mar 22, 2024 · Through the introduction of solar-powered water-harvesting systems, the project aimed to guarantee a water supply in drought-prone areas of the targeted states to enhance ...



## Sudan Solar Water Pump Systems Market (2024-2030) , Size ...

6.3.2 Sudan Solar Water Pump Systems Market Revenues & Volume, By Drinking-Water Supply, 2020- 2030F 6.3.3 Sudan Solar Water Pump Systems Market Revenues & Volume, By ...

## UNDP and Local Authorities Introduce Solar-Powered Water ...

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Sep 4, 2024 · In a collaborative effort to enhance access to clean water, the United Nations Development Programme (UNDP) Sudan, the State Water Corporation of Kassala, and ...



## IBSA Fund: Scaling Solar Irrigation for Climate-Resilient ...

...

May 30, 2025 · In a major step toward climate-resilient agriculture, smallholder farmers in South Sudan are gaining access to clean, affordable energy for irrigation -- thanks to a South-South ...

## Possibility of Using a Solar Water Pumping Systems for ...

Mar 14, 2021 · The solar photovoltaic (SPV) water pumping system is one of the best technologies that use solar energy to pump water from deep groundwater sources and to ...



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