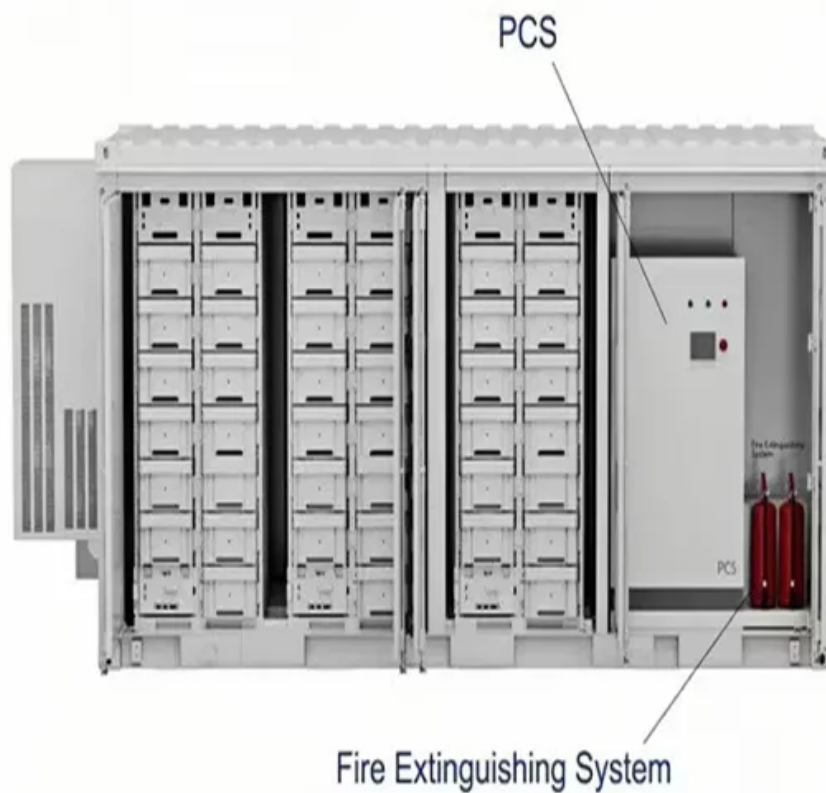


## SolarInnovate Energy Solutions

# Wholesale solar power system in Sudan



## Overview

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Which solar energy options are available in Sudan?

In Sudan, three solar energy options are available: 1. Solar PV energy: 1000 MW (on- and off-grid) will be applicable in different states within Sudan. 2. Solar CSP technology: 100 MW (grid connected) will be applicable, especially in the northern part of Sudan. 3. Waste to Energy: 80 MW (grid connected) will be applicable in several intended sites.

Why should you choose a solar energy system in Sudan?

We focus on underserved and conflict-affected regions across Sudan, striving to foster long-term growth and stability. Tailored solar energy systems provide reliable power, reduce electricity costs, and promote environmental sustainability, designed for homeowners seeking stable and independent energy solutions.

Are solar power generators a problem in Sudan?

An economic comparison between three types of electricity generators; stand-alone PV modules (50 Wp), two imported gen-sets (0.5, 2.4 kW), and a small mini-grid system (313kW peak) proved challenging in adopting PV systems in Sudan (Dongola and Northern Kurdufan).

Can South Sudan generate solar power?

South Sudan's rural electrification plans include large-scale solar thermal and small-scale solar photovoltaic power generation given its access to an average of more than 10 hours of sunshine per day year round, with radiation on the horizontal surface of about 5 – 6 kWh/m<sup>2</sup>/day.

What are solar powered water pumping systems?

Solar-powered water pumping systems enhance irrigation efficiency, boost productivity, and reduce water loss, offering eco-friendly energy solutions for farmers and agribusinesses.

Who is alramah Solar Company Ltd?

Alramah Solar Company Ltd initiated a strategic cooperation with a premier solar manufacturer based in China. GCL is a leading manufacturer of top-tier solar panels and equipment, renowned for their superior quality and backed by an industry-leading 25-year warranty.

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### Solar Energy Policies And Regulations In Sudan: What To ...

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