

## Congo Kinshasa special photovoltaic energy storage system

Is a 600 MWp solar plant being built in Congo?

Sun Plus,a unit of The Sandi Group (TSG),has launched construction workon a 600-MWp solar plant in the Democratic Republic of Congo that is part of an even larger project totalling 1 GWp. The two-phase scheme,known as the Kinshasa Solar City,includes the installation of a number of solar photovoltaic (PV) parks near the capital of the country.

#### What is Kinshasa Solar City?

The two-phase scheme,known as the Kinshasa Solar City,includes the installation of a number of solar photovoltaic (PV) parks near the capital of the country. The 600-MWp phase one was initiated on August 19 and is expected to be completed within a year.

### What is the standard voltage in Congo-Kinshasa?

In Congo-Kinshasa,the standard voltage is 220 V. You will need a voltage converter to use your electric appliances there, because the standard voltage in Congo-Kinshasa is higher (220 V) than in the United States (120 V). Using your appliances without a converter could cause damage.

### Who owns Kinshasa electricity?

The city-wide project network has a power purchase agreement signed by national utility Société nationale d'électricité and the provincial government of Kinshasa with the Sun Plus subsidiary of U.S. real estate investor The Sandi Group. The 25-year deal will see the power company buy the electricity generated for \$0.095/kWh.

#### How much electricity does the Democratic Republic of Congo have?

The Democratic Republic of Congo has a population of 85 million, of whom only around 9% have access to electricity, a figure which falls near 1% in rural areas. The nation has total electric generation capacity of just over 2.67 GW, of which 2.54 GW is hydropower and 135 MW thermal.

With abundant sunshine averaging 5-7 peak hours daily, the Democratic Republic of Congo holds unparalleled potential for solar energy adoption. However, inconsistent grid infrastructure and ...



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