

ContainerPower Energy Solutions

Iraq s annual power generation from wind solar and energy storage



Overview

What type of energy is used in Iraq?

Renewable energy here is the sum of hydropower, wind, solar, geothermal, modern biomass and wave and tidal energy. Traditional biomass – the burning of charcoal, crop waste, and other organic matter – is not included. This can be an important energy source in lower-income settings. Iraq: How much of the country's energy comes from nuclear power?

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Does Iraq have a country Factsheet?

Specifically for Iraq, country factsheet has been elaborated, including the information on solar resource and PV power potential country statistics, seasonal electricity generation variations, LCOE estimates and cross-correlation with the relevant socio-economic indicators.

Is biomass a source of electricity in Iraq?

Traditional biomass – the burning of charcoal, crop waste, and other organic matter – is not included. This can be an important source in lower-income settings. Iraq: How much of the country's electricity comes from nuclear power?

Nuclear power – alongside renewables – is a low-carbon source of electricity.

How clean is Iraq's Electricity?

Iraq's largest source of clean electricity is hydro (0.9%). Its share of wind and solar (0.3%) was far below the global average in 2023 (13%). Iraq relied on fossil fuels for over 98% of its electricity in 2023. Its emissions per capita, 2.3 tCO₂, were slightly above the global average of 1.8 tCO₂.

Does Iraq rely on fossil fuels?

Iraq relied on fossil fuels for over 98% of its electricity in 2023. Its emissions per capita, 2.3 tCO₂, were slightly above the global average of 1.8 tCO₂. Iraq's power sector emissions grew almost five-fold in the last two decades, as fossil generation increased to meet demand growth.

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