

## European Solar and Energy Storage Solutions

# Beks energy Dominican Republic



## Overview

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What type of energy does the Dominican Republic use?

This page is part of Global Energy Monitor 's Latin America Energy Portal. Fossil fuels - including oil, natural gas, and coal - supply most of the Dominican Republic's energy, supplemented by smaller amounts of renewables, including hydro, wind, solar and biofuels.

Is Zenith launching a solar farm in the Dominican Republic?

Source: Comisión Nacional de Energía ( ) Zenith Energy Corp SRL, a subsidiary of Blacktree Capital Management, has initiated construction of the 101.2-MWp Dominicana Azul solar farm in the Dominican Republic, launching a project that will boast the Caribbean nation's first battery energy storage system (BESS).

What is the first solar-plus-storage project in the Dominican Republic?

Construction has started on the first major solar-plus-storage project in the Dominican Republic, which features a 24.8MW/99MWh battery energy storage system (BESS). The Comisión Nacional De Energia (CNE) of the Dominican Republic announced the start of work on the Dominicana Azul solar project shortly in late December (22 December).

Will the Dominican Republic produce 25% of its electricity by 2025?

The country aims to produce 25% of its electricity from renewable energy sources by 2025. The Dominican Republic's Nationally Determined Contribution (2020 revision) calls for a 27% reduction in greenhouse gas emissions by 2030 relative to business as usual, up from 25% in the country's original NDC.

How is electricity distributed in the Dominican Republic?

Electricity is then publicly distributed through either Edenorte, Edesur, or Edeeste. OC (Organismo Coordinador) is responsible for the coordination of

the dispatch of electricity across the Dominican Republic via the national interconnected electrical system.

How much electricity will the Dominicana Azul plant produce?

The Dominicana Azul plant will be capable of producing around 176.4 GWh of electricity annually for the national grid. Zenith Energy will build the facilities in the Cabrera municipality. The firm secured a 25-year definitive concession from the CNE for the project earlier in December.

## Beks energy Dominican Republic



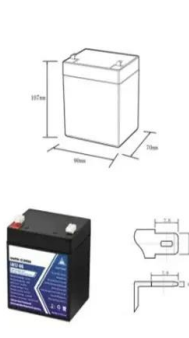

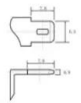
### Berkes

The Energy department builds, installs and maintains industrial boilers, using its own technology for the combustion of biomass and industrial waste. Steam boiler, energy generator boiler, operation and maintenance of thermal plants and turnkey projects.

### Construction starts on 99MWh battery unit in ...

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**12.8V6Ah**

Nominal voltage (V):12.8  
 Nominal capacity (Ah):6  
 Rated energy (Wh):76.8  
 Maximum charging voltage (V):14.6  
 Maximum charging current (A):6  
 Floating charge voltage (V):13.6-13.8  
 Maximum continuous discharge current (A):10  
 Maximum peak discharge current @ 10 seconds (A):20  
 Maximum load power (W):100  
 Discharge cut-off voltage (V):10.8  
 Charging temperature (°C):0-+50  
 Discharge temperature (°C):-20-+60  
 Working humidity: <95% R.H (non condensing)  
 Number of cycles (25 °C, 0.5c, 100%doD): >2000  
 Cell combination mode: 32700-4s1p  
 Terminal specification: T2 (6.3mm)  
 Protection grade: IP65  
 Overall dimension (mm):50\*70\*107mm  
 Reference weight (kg):0.7  
 Certification: un38.3/msds

### Dominican Republic advances in energy storage at ...

Santo Domingo.- During the "Energy Sector Reform" Forum organized by the Dominican Association of the Electric Industry (ADIE) and the Technological Institute of Santo Domingo (INTEC), Edward Veras, ...

### MIT professor to present nuclear energy as key to Dominican Republic...

Santo Domingo.- The Dominican Association of the Electrical Industry (ADIE) and the Technological Institute of Santo Domingo (Intec) will host Professor Jacopo Buongiorno from the Massachusetts Institute of Technology (MIT) as the keynote speaker at the upcoming Energy Forum on October 10, 2024, at the El Embajador Hotel. Professor ...



## Energy profile: Dominican Republic

The Dominican Republic produced 18.6 TWh of electricity in 2020; fossil fuels accounted for nearly 85% of production, followed by hydro (6.68%), wind (6.11%), solar (1.64%) and biofuels (0.90%). The DR has a high incidence of power outages compared to other countries in Latin America and the Caribbean. [3]

## Construction of a 79MW photovoltaic solar park in the Dominican Republic

The challenge. The energy deficit and dependence on fossil fuels drove the Dominican Republic to step up its commitment to clean energy. DOMINION took on the task of building the photovoltaic plant in this Caribbean country, with an offer that included everything from the design and construction of the plant to its operation and subsequent maintenance.



## Renewable energy in the Dominican Republic leads the way

Minister Santos Echavarría highlighted the



country's goal of meeting 25% of its national energy demand with renewable sources by 2025, positioning the Dominican Republic as a leader in clean energy adoption. Given the country's strategic location and abundant solar resources, this bold vision is inspiring and achievable.

## Construction starts on co-located 99MWh BESS in Dominican Republic

The government of the Dominican Republic has recently recognised the need for energy storage to integrate intermittent renewable energy generation, and the CNE recently issued two resolutions to kickstart the market.




**Outdoor Cabinet BESS**  
50 kWh/500 kWh Battery Storage System  
Industrial and Commercial Energy Storage

- All in One**  
Integrating battery packs
- High-capacity**  
50-500kWh
- Degree of Protection**  
IP54
- Operating Temperature Range**  
-20-60°C (Derating above 50 °C)
- Intelligent Integration**  
Integrated photovoltaic storage cabinet
- Rated AC Power**  
50-100kW
- Altitude**  
3000m (>3000m derating)

## Dominican Republic's 1st BESS now under construction

Zenith Energy Corp SRL, a subsidiary of Blacktree Capital Management, has initiated construction of the 101.2-MWp Dominicana Azul solar farm in the Dominican Republic, launching a project that will boast the Caribbean nation's first ...

## Dominican Republic Doubles Renewables Capacity in Just 3 Years

Under the current government, the renewables transition in the Dominican Republic is quickly picking up speed. From 2020 to the end of 2023, electricity generation capacity from renewable sources has risen from 555.5 MW to 1,126.25

MW, which is an increase of over 103%. According to the Climatescope 2023 report by Bloomberg New Energy



## 71 empleos de Energy en Dominican Republic (2 nuevo/s)

Los 71 principales empleos del día de Energy en Dominican Republic. Sácale el máximo partido a tu red profesional y consigue que te contraten. Se añaden nuevos empleos para Energy a diario.

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## USTDA Advances Energy Storage Systems in the Dominican Republic

Arlington, VA - The U.S. Trade and Development Agency has awarded a technical assistance grant



to the Dominican Republic's Superintendent of Electricity (SIE) that will facilitate the growth of renewable power generation in the country TDA's grant will help create enabling regulations for battery energy storage systems to maintain the stability of the country's power grid as new ...

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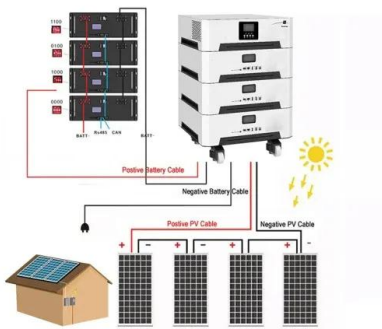
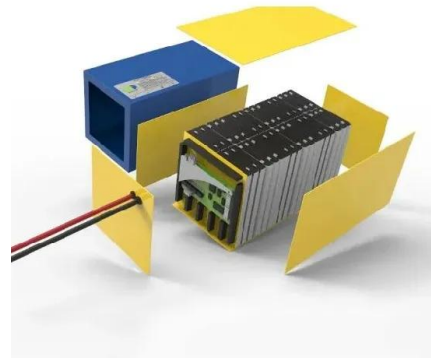
## Dominican Republic Targeting 25% Renewable Energy By 2025

The Latin American nation of the Dominican Republic targets to raise the share of renewable energy in its national energy mix to 25% by 2025 with solar energy being a major driver, according to the country's Minister of Energy and Mines Joel Santos. Under the National Development Strategy, their share should go up to 30% by 2030.

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a project that will boast the ...



## Energy sector was the sector with the highest

Santo Domingo - The energy sector led the flow of foreign direct investment (FDI) for the third consecutive quarter of 2023, with an amount of US\$826.9 million, making it the fastest growing sector in this period, according to data provided by the Central Bank of the Dominican Republic. The Minister of Energy and Mines (MEM), Antonio Almonte

## Dominican Republic needs up to 400 MW of BESS by 2028, ...

The stakeholders estimated that by 2028, the Dominican Republic will need to deploy between 250 to 400 MW of energy storage systems. Their projection is based on the country's current renewable energy market.



## ENERGY PROFILE Dominican Republic

Primary energy trade	2016	2021	Imports (TJ)	345
			Exports (TJ)	120
			Net trade (TJ)	196
			Imports (% of supply)	56
			Exports (% of production)	120
			Energy self-sufficiency (%)	98
				92
				0
				0
				9
				11

COUNTRY INDICATORS AND



SDGS TOTAL ENERGY SUPPLY (TES) Total energy supply in 2021 Renewable energy supply in 2021 Dominican Republic 58% 15%

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## IDB Invest, FMO, and FinDev Canada finance solar and BESS in the

IDB Invest, FMO, and FinDev Canada finance solar and BESS in the Dominican Republic. By CEP Staff o 8 November 2024 in News. Energía Turística S.A. (EnerTur), a subsidiary of InterEnergy Group, has secured financing from IDB Invest, FMO, and FinDev Canada for the development of a new 70 MW solar PV and 30 MWh battery energy storage ...

## Dominican Republic greenlights Ecoener's 50-MW

...

The Dominican Republic's national energy commission CNE has granted a definitive

concession for the construction and operation of a 49.98-MW/60.04-MWp solar farm equipped with a battery energy storage system ...



## Dominican Republic reaffirms commitment to renewable energy ...

New Delhi, India.- The Dominican Republic recently reaffirmed its commitment to expanding solar energy production, aiming to enhance national energy independence and sustainability. This commitment was highlighted by Max Puig, Executive Vice President of the National Council for Climate Change, during the 7th International Solar ...

## EGE Haina gets green light for 100 MW of Dominican wind, solar

5 ???· The Dominican Republic's national energy commission CNE has granted definitive concessions to domestic power producer Empresa Generadora de Electricidad Haina SA (EGE Haina) for the development of roughly 100 MW of new wind and solar projects.



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