

## PEES Power Systems

# Megawatt-scale solar energy in santo domingo



## Overview

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The Dominican Republic's national energy commission has approved a new 83.6-MWp solar project with storage, as well as inaugurated a 58.70-MWp solar farm led by Vice President Raquel Pena. As rising energy costs and grid reliability challenges impact business operations across the island, solar. The location at Santo Domingo, Nacional, Dominican Republic is an excellent place for generating energy through solar PV year-round due to its tropical climate. This means that sunlight is consistent throughout most of the year, making it ideal for solar energy production.

## Megawatt-scale solar energy in santo domingo



**Efficient**  
Higher Revenue

- Max. Efficiency 97.5%
- Max. PV Input Voltage 600V
- 150% Peak Output Power
- 2 MPPT Trackers, 150% DC Input Overvoltage
- Max. PV Input Current 16A, Compatible with High Power Modules

**Intelligent**  
Simple O&M

- IP65 Protection Degree: support outdoor installation
- Smart I V Curve Diagnosis Function: locate PV string faults accurately and automatically detect faults
- DC & AC Type II SPD: prevent lightning damage
- Battery Reverse Connection Protection

**Flexible**  
Abundant Configuration

- Plug & Play, EPS Switching Under 10ms
- Compatible with Lead acid and Lithium Batteries
- Max. 6 units Inverter Parallel
- AFCI Function (Optional): when an arc fault is detected the inverter immediately stops operation

### Maranatha Santo Domingo Este solar farm

Maranatha Santo Domingo Este solar farm (Parque Solar Fotovoltaico Maranatha) is an operating solar photovoltaic (PV) farm in Santo Domingo, Dominican Republic.

### ACCIONA & Cotosolar begin 163 MW solar feed in La Romana

The 163 MW complex includes three plants generating 286 GWh annually for 166,000 households. It is the largest solar project in Central America and the Caribbean.



### Dominican Republic's new solar projects add over 140 MW

The installed renewable energy capacity in the Dominican Republic rose to 1,126.25 MW at the end of 2023 from 555.5 MW in 2020. There are currently over 1,300 MW of solar photovoltaic ...

## Santo Domingo Rechargeable Energy Storage Battery: Powering a

As renewable energy adoption accelerates in the Caribbean, Santo Domingo stands at the forefront of integrating rechargeable energy storage batteries into its power infrastructure.

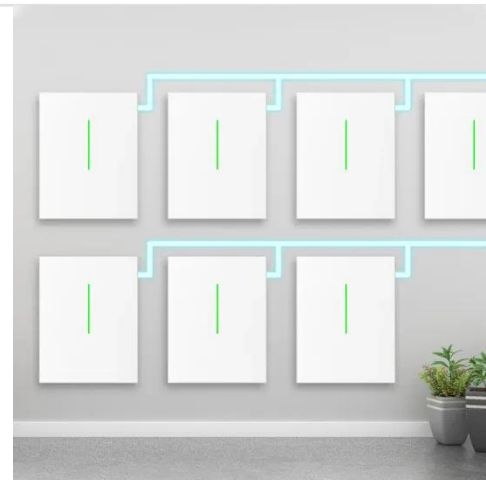


## Parque fotovoltaico La Victoria: DOMINION impulsa la energía solar ...

DOMINION Green is building the La Victoria solar park in Santo Domingo, with 64.7 MWp and 99,000 panels, generating 112,000 MWh/year of clean energy for thousands of homes.

## Renewable energy in the Dominican Republic leads the way

The Dominican Republic's close collaboration with the ISA has led to several new solar energy initiatives, including installing solar water pumping systems, floating solar projects, and ...



## Solar PV Analysis of Santo Domingo, Dominican Republic



However, nearby areas particularly towards the east and southeast of Santo Domingo where there are vast plains could be suitable for large-scale solar PV installations.

## Solar Power Transforms Dominican Republic's Public Infrastructure: A

Monte Plata Solar Plant, the nation's flagship installation, demonstrates the scalability of solar projects, generating 60MW of clean energy while creating over 300 local jobs and attracting ...



## La energía solar impulsa la diversificación energética en la República

En este contexto, el impulso a la energía solar y otras fuentes renovables se presenta como una oportunidad para fortalecer la seguridad energética del país, reducir los costos de generación y ...

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