

## European Solar and Energy Storage Solutions

# Macro energy Puerto Rico



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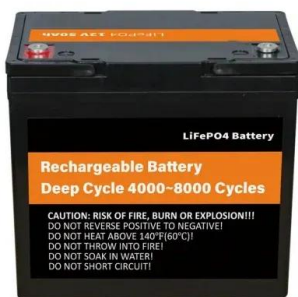
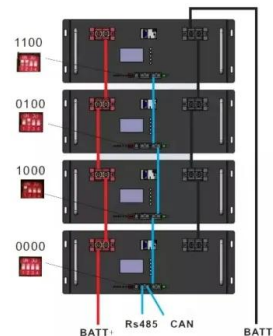


### Puerto Rico Manufacturing Output 1960-2024

Puerto Rico manufacturing output for 2022 was \$48.80B, a 0.29% increase from 2021. Puerto Rico manufacturing output for 2021 was \$48.65B, a 1.24% decline from 2020. Puerto Rico manufacturing output for 2020 was \$49.27B, a 1.64% decline from 2019. Puerto Rico manufacturing output for 2019 was \$50.08B, a 4.58% increase from 2018.

### US closes \$861 million loan guarantee for solar, energy storage in

The U.S. Energy Department said on Tuesday it closed an \$861 million loan guarantee to finance the construction of two solar photovoltaic farms and two battery storage systems in Puerto Rico.



### Project Marahu: Puerto Rico secures \$860M+ loan for ...

Puerto Rico will add up to 200 megawatts (MW) of solar generation and another 285 MW/1,140 MWh of battery energy storage, thanks to an \$861.3 million loan guarantee from the U.S. Department of Energy's Loan ...

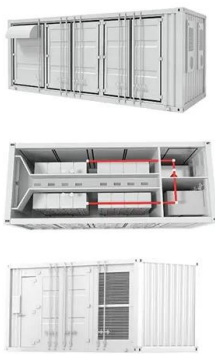
### Puerto Rico Renewable Energy 1990-2024

Puerto Rico renewable energy for 2015 was 1.84%, a 0.21% increase from 2014. Puerto Rico renewable energy for 2014 was 1.63%, a 0.23% increase from 2013. Puerto Rico renewable energy for 2013 was 1.39%, a 0.69% increase from 2012. Puerto Rico renewable energy for 2012 was 0.70%, a 0.03% increase from 2011.



## PR100

Supporting Puerto Rico's goal of 100% renewable energy by 2050. The Puerto Rico Grid Resilience and Transitions to 100% Renewable Energy Study (PR100) comprehensively analyzes possible pathways for Puerto Rico to achieve its renewable energy goals while incorporating stakeholder perspectives and advancing energy resilience for all Puerto Ricans.



## AES MARAHU

Project Marahu will play an integral role in improving Puerto Rico's energy resilience and affordability while helping Puerto Rico meet its ambitious clean energy and climate goals. The clean, affordable electricity generated by this project will replace the power produced by Puerto Rico's diesel and coal plants, eliminating the pollution



## Aseguran que LUMA Energy lidera la mayor transformación

...

Se estima que la red será resiliente en tres años, tras una inversión de \$21,000 millones. Por Esther Alaejos . Agencia EFE. San Juan, Puerto Rico - En Puerto Rico se lleva a cabo «la



transformación eléctrica posiblemente más grande del mundo» y su red tardará unos tres años en ser resiliente, afirmó a EFE el director de Asuntos Externos de la empresa eléctrica LUMA

...

## LPO Announces Conditional Commitment to

3 ???· The Puerto Rico Energy Public Policy Act (Act 17) requires Puerto Rico's utility to cease all coal-fired energy generation by 2028 and shift to a 100% renewable energy mix by 2050. To help Puerto Rico reach 100% clean energy resources by 2050, the solar PV system can generate power directly to Puerto Rico's grid, and the battery facilities



## Puerto Rico Population Growth Rate 1950-2024

Chart and table of Puerto Rico population from 1950 to 2024. United Nations projections are also included through the year 2100. The current population of Puerto Rico in 2024 is 3,268,802, a 0.26% increase from 2023.; The population of Puerto Rico in 2023 was 3,260,314, a 0.24% increase from 2022.; The population of Puerto Rico in 2022 was 3,252,407, a 0.11% decline ...

## Parsons Awarded \$20 Million U.S. Army Corps of Engineers Contract

3 ???· The \$20 million contract, including base

plus options, to enhance energy resilience and sustainability for the Pesquera Army Reserve Center in Puerto Rico consists of a 610-day period of performance and is new work for the company.



## Puerto Rico Literacy Rate 1980-2024

Energy. Commodities. Exchange Rates. Interest Rates. Futures. Stock Research. Top Stocks. Stock Screener. Economy. Puerto Rico literacy rate for 2010 was 91.97%, a 2.34% increase from 1990. Puerto Rico literacy rate for 1990 was 89.62%, a 2.88% increase from 1980. Download Historical Data Save as Image.

## Puerto Rico's Economy

5 ??? Puerto Rico also has an unusually high rate of income inequality -- greater than any other part of the United States. "While many argue that the United States has an untenable distribution of wealth with only 10% of households earning over \$200,000 a year, in Puerto Rico only 1.4% of households make over \$200,000 a year," CENTRO points out.



## Puerto Rico Immigration Statistics 1960-2024

Puerto Rico immigration statistics for 2015 was 274,972.00, a 9.84% decline from 2010. Puerto Rico immigration statistics for 2010 was 304,969.00, a 13.4% decline from 2005. Puerto Rico immigration statistics for 2005 was

352,144.00, a 0.82% decline from 2000. Puerto Rico immigration statistics for 2000 was 355,038.00, a 5.02% increase from 1995.



## Puerto Rico Grid Resilience and Modernization

The Grid Deployment Office's (GDO) Puerto Rico Grid Recovery and Modernization Team works across federal government agencies coordinate billions of dollars in federal aid, provide technical assistance to local stakeholders, and support current rebuilding activities. This team, in coordination with the Department's national labs, led the Puerto Rico ...



## Parsons Awarded \$20 Million U.S. Army Corps of Engineers Contract

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## Project Marahu: Puerto Rico secures \$860M+ loan for utility-scale ...

Puerto Rico will add up to 200 megawatts (MW) of solar generation and another 285 MW/1,140 MWh of battery energy storage, thanks to an \$861.3 million loan guarantee from the U.S.

Department of Energy's Loan Program Office.

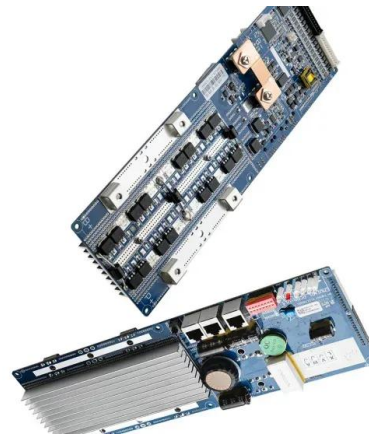


## Puerto Rico GNI 1962-2024

Energy. Commodities. Exchange Rates. Interest Rates. Futures. Stock Research. Top Stocks. Stock Screener. Economy. Puerto Rico gni for 2021 was \$73.66B, a 5.85% increase from 2020. Puerto Rico gni for 2020 was \$69.59B, a 1.15% decline from 2019. Download Historical Data Save as Image.

## DOE anuncia garantía de préstamo a través de LPO para finca ...

11 ????. Nueva York - Una garantía de préstamo de hasta \$584.5 millones a Convergent Energy and Power, Inc. para el desarrollo de una finca solar en Coamo, Puerto Rico, es uno ...



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## Marahú Solar + Storage , AES Puerto Rico

Up to 25-year project life with AES Puerto Rico as the long-term operator; Low and stable electricity cost approved by the Puerto Rico Energy Bureau, helps protect against volatile fossil fuel prices; PREPA customers will receive clean energy produced by the project with transmission and distribution managed by Luma Energy



### Commercial and Industrial ESS

Air Cooling / Liquid Cooling

- Budget Friendly Solution
- Renewable Energy Integration
- Modular Design for Flexible Expansion



## Puerto Rico Military Spending/Defense Budget -2024

Military expenditures data from SIPRI are derived from the NATO definition, which includes all current and capital expenditures on the armed forces, including peacekeeping forces; defense ministries and other government agencies engaged in defense projects; paramilitary forces, if these are judged to be trained and equipped for military operations; and military space ...

## Puerto Rico Grid Recovery and Modernization

Current Activities. Puerto Rico Grid Resilience and Transition to 100% Renewable Energy Study (PR100 Study): The PR100 Study is a two-year, comprehensive analysis based on extensive stakeholder input of possible pathways for Puerto Rico to achieve its goal of 100% renewable energy by 2050, ensure energy system resilience against extreme weather events, and ...



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