Solar PV Energy Benefits to Brazil

Evolution of the Solar Photovoltaic Energy in Brazil

Distributed Generation

State Ranking

Minas Gerais
São Paulo
Rio Grande do Sul
Mato Grosso
Paraná
Goiás
Santa Catarina
Rio de Janeiro
Ceará
Bahia
Mato Grosso do Sul
Pernambuco
Pará
Piauí
Paraíba
Rio Grande do Norte
Maranhão
Espírito Santo
Distrito Federal
Tocantins
Rondônia
Alagoas
Sergipe
Amazonas
Acre
Amapá
Roraima

Installed Capacity (MW) (%)
Centralized Generation


Installed capacity (MW) and status of the authorized solar PV power plants of the regulated market and of the free market per state:

Price Development


Electricity Generation Records

Source: ONS/MME, 2021.

Distributed Generation


Distributed microgeneration (up to 75 kW) and minigeneration (above 75 kW up to 5 MW) solar PV systems installed at homes, commercial buildings, industries, rural properties and public buildings.

Value Chain


Brazil needs a competitive and fair industrial policy for the solar PV sector, reducing the prices of components and equipments made in the country and creating more jobs, technology and innovation.

Distributed Generation Solar PV by Consumer Type in Brazil


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