



Solar PV Energy Benefits to Brazil

Source: ABSOLAR, 2021.



Over **8.8 GW** in operation since 2012.



Over **R\$ 46.4 billion** in new investments.



Over **264 thousand new jobs** created in the country.



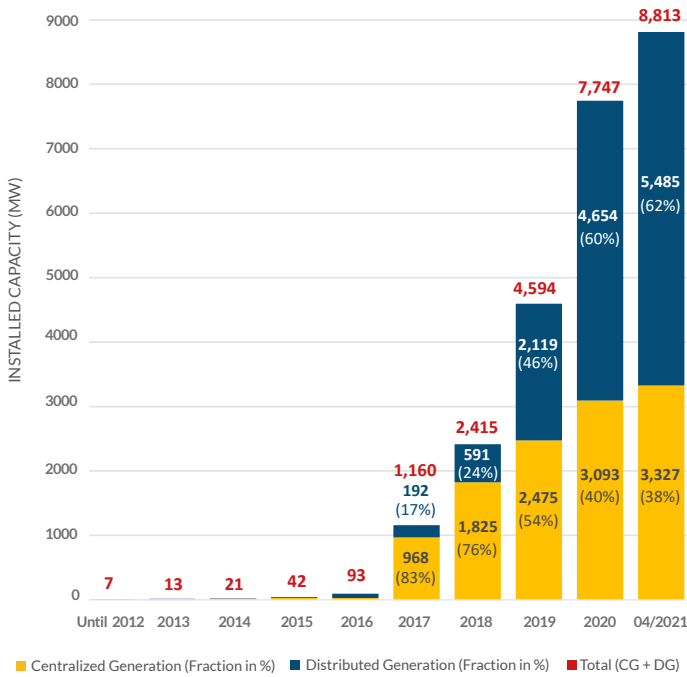
Over **R\$ 12.3 billion** in taxes collected.



Over **9.5 million tons** of CO₂ avoided.

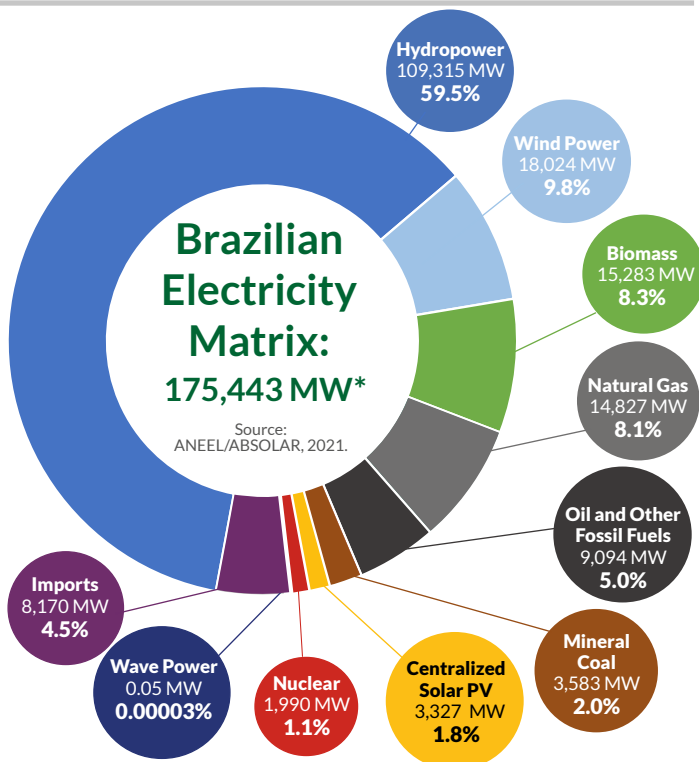
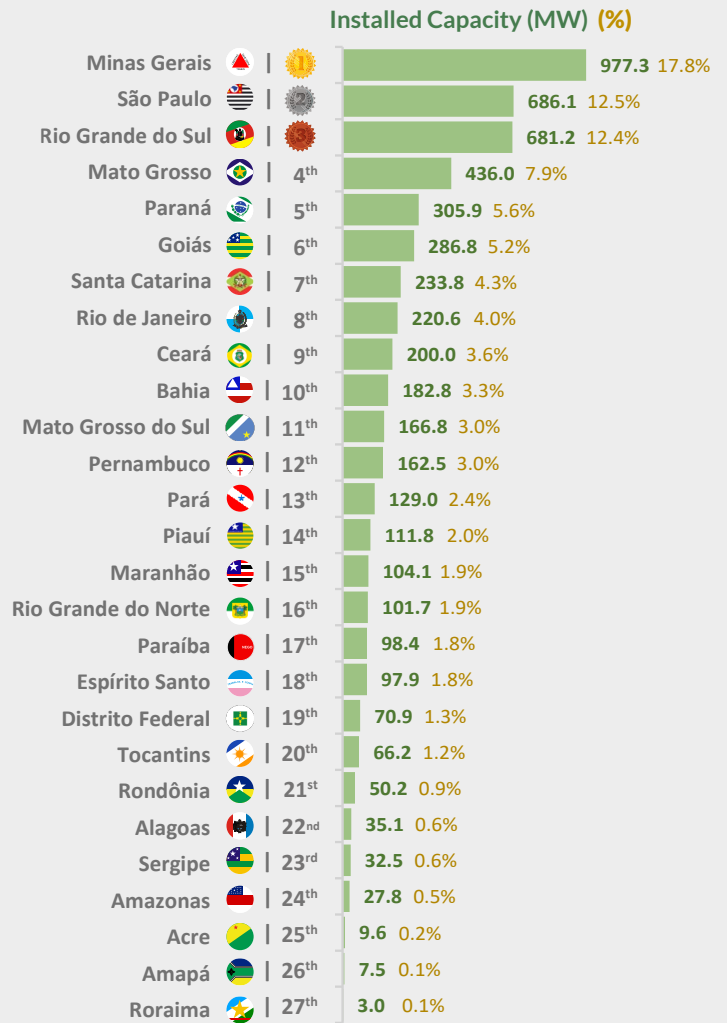
Evolution of the Solar Photovoltaic Energy in Brazil

Source: ANEEL/ABSOLAR, 2021.



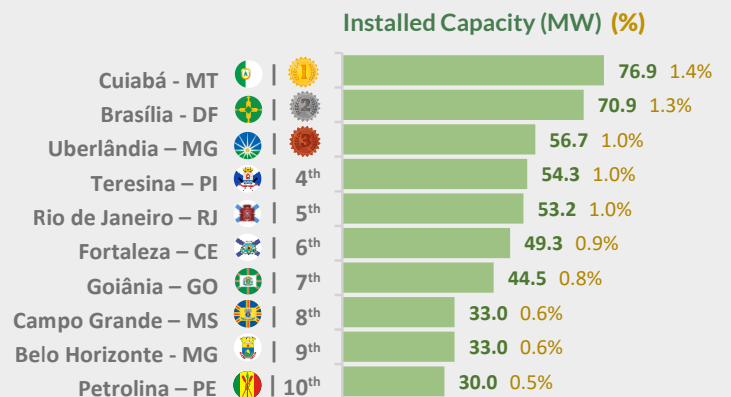
Distributed Generation State Ranking

Source: ANEEL/ABSOLAR, 2021.



Municipality Ranking

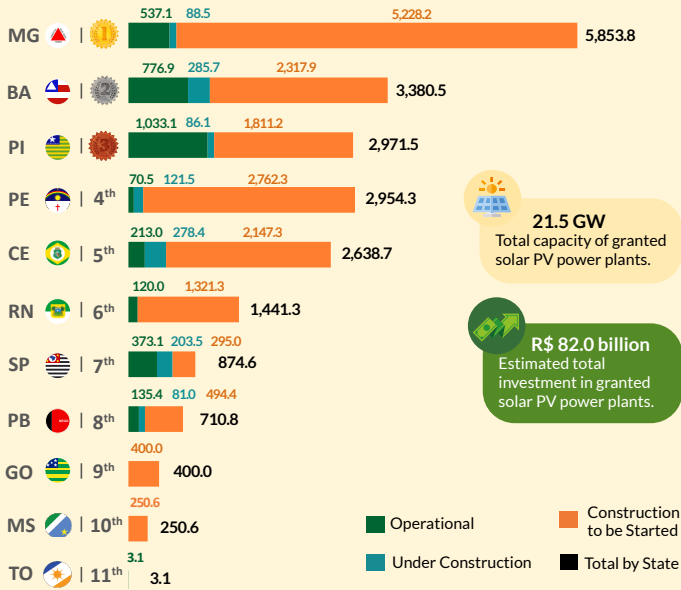
Source: ANEEL/ABSOLAR, 2021.



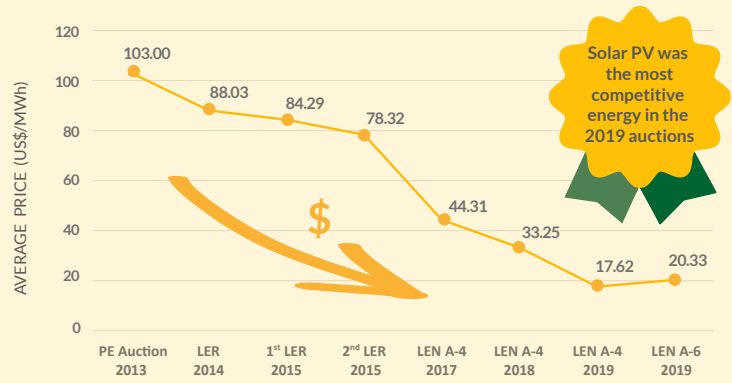
*The matrix total capacity does not include imports.

Centralized Generation Source: ANEEL/ABSOLAR, 2021.

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



Price Development of Solar PV Energy in the Energy Auctions of the Regulated Electricity Market Source: CCEE/ABSOLAR, 2019.



Electricity Generation Records Source: ONS/MME, 2021.

Solar PV achieved new records of electricity generation on the SIN (National Grid System) in Brazil:

DAILY AVERAGE
Oct. 3rd, 2020
778.0 MW
average
with a capacity
factor of
26.9%

DAILY MAXIMUM
Mar. 24th, 2021
2,114.6 MW
at 11 a.m.
with instantaneous
capacity factor of
72.9%

1.4%
of the electricity
supplied in Brazil was
generated from
solar PV energy
in September 2020.

Distributed Generation Source: ANEEL/ABSOLAR, 2021.

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.

97.1%
is the share of solar PV
installed capacity in distributed
microgeneration and
minigeneration, leading the
segment by far.

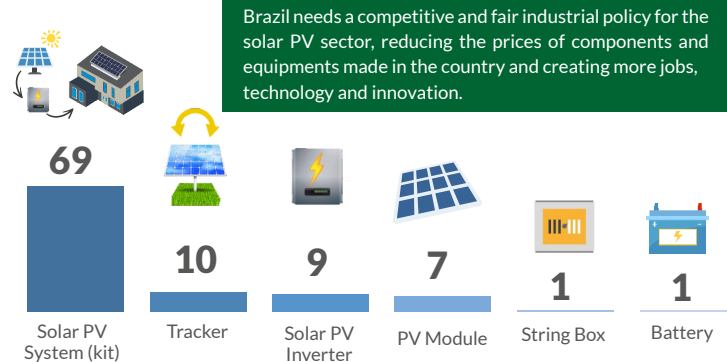
99.9%
of all distributed micro and
minigeneration connections
are from solar PV systems.

470,156
Solar PV
systems connected
to the grid.

596,463
consumer units
(0.7% from the total)
receiving electricity credits
through net-metering.

Value Chain Source: BNDES, 2021.

Number of national manufacturers from the solar PV sector registered at the BNDES FINAME financing program:



Data updated in accordance with the new BNDES re-accreditation procedure with the FINAME.

Distributed Generation Solar PV by Consumer Type in Brazil Source: ANEEL/ABSOLAR, 2021.

