Aloe Energy

COUNTRY BRIEF · NOVEMBER 2026

Djibouti: grid and electricity access

Eastern Africa Power Pool

118k
people live without night-time light, a proxy for no power

86%
of them live within 15 km of a power line

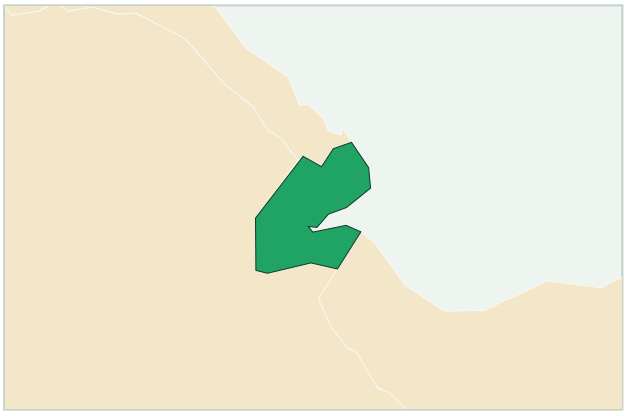
212
km of high-voltage lines, 66 kV and above

1
power plants and transmission lines planned or under construction

Djibouti is small, mostly urban and already well connected: about 118,000 people live where satellites see no electric light at night, and 86% of them live within 15 km of a power line. Much of its power comes from Ethiopia over an interconnector, and a second line now under construction will raise what the two countries can trade. Djibouti signed its Mission 300 compact in June 2026, aiming for electricity for everyone and 100% renewable power by 2035. The compact text is not yet published, so it is not yet on our compacts page.

WHAT THIS MEANS

45,000 people without power live 2 to 15 km from a line: close enough to plan for the grid, too far for a quick connection.



THE GRID TODAY

Djibouti's mapped high-voltage network runs to about 212 km of lines at 66 kV and above. The highest voltage on the map is 220 kV, and 100% of the line length runs at 220 kV or more.

NEAR THE GRID, NOT ON IT

About 118,000 people in Djibouti, roughly 10% of the population, live where satellites see no electric light at night. Of them, 86% live within 15 km of a mapped or predicted power line: 56,000 within 2 km, 45,000 2 to 15 km away, and 16,000 farther out. The largest group lives within 2 km of a line, so the main gap is last-mile connections and affordability, more than new lines.



Within 2 km of a line: **56,000** (48%)
2 to 15 km: **45,000** (38%)
More than 15 km: **16,000** (14%)

"Without night-time light" is a satellite proxy, not a measured access rate.

Mapped line length

Voltage	km
220 kV	212
Total	**212**

PLANTS AND PIPELINE

Promised and now expected dates

Project	Type	MW	First promised	Now expected
Ethiopia–Djibouti second line 230 kV (Semera–Galafi–Nagad)	Line	–	2024	2026

HOW IT COMPARES

People without night-time light (% of population)



Of them, within 15 km of a line (%)



Each dot is one country with a page on aloeenergy.org; the line marks the median. Positions only, no ranking.

Sources: Grid lines: OpenStreetMap contributors (ODbL), gap-fill from the World Bank Africa grid (2017); power plants: Global Energy Monitor (September 2026), WRI and public project sources; people and distance to the grid: WorldPop 2020 and gridfinder (CC BY 4.0).

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The full page, with the interactive atlas, is at aloeenergy.org/countries/djibouti. The maps are free to view; the data behind them is available on request: brandon@aloeenergy.org. Aloe Energy is a not-for-profit initiative working at the grid edge in Sub-Saharan Africa.

Scan for the live page and map

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