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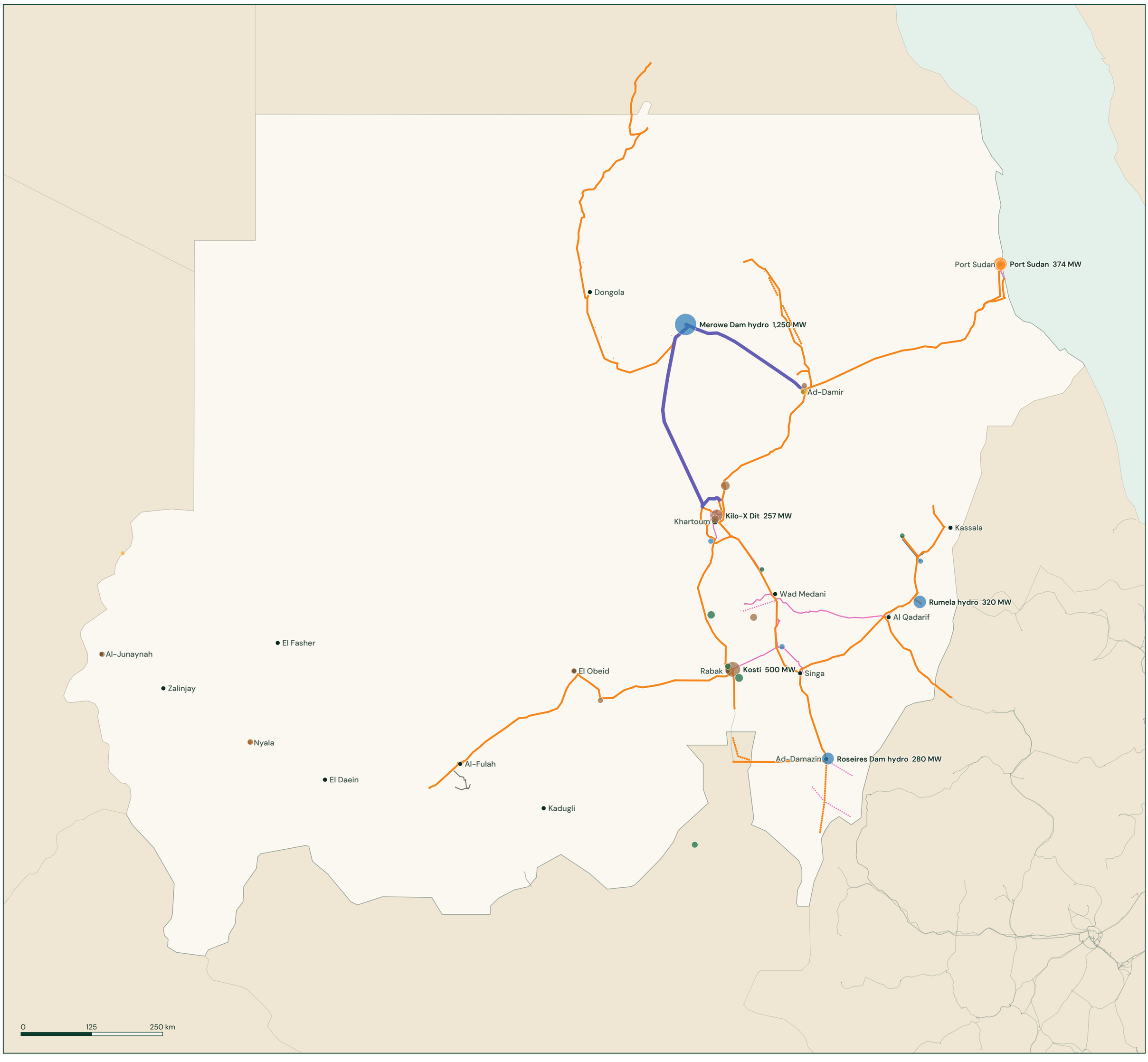
Sudan's power grid today

The high-voltage grid and the power plants running in November 2026

7,162 km of lines, 66 kV and above · 28 power plants of 10 MW and above (3,774 MW)

Grows where the grid hasn't.

Edition 1 · Data as of November 2026



How to read the map

- 500–533 kV
- 220 kV
- 110 kV
- 66 kV
- Voltage not recorded
- Dotted: missing from OpenStreetMap, from utility or World Bank maps
- Grey: lines in neighboring countries

Power plants, 10 MW and above

Hydro · Gas · Oil
Solar · Biomass

20 MW · 200 MW · 1,000 MW

Town or city

In numbers

- **3.8 GW** in 28 operating power plants of 10 MW and above
- **7,162 km** of mapped transmission lines, 66 kV and above
- **65** substations mapped
- **50%** of operating capacity is hydro

What runs Sudan today



Hydro 1,891 MW (50%)
Oil 1,077 MW (29%)
Gas 554 MW (15%)
Biomass 196 MW (5%)
Solar 56 MW (1%)

Largest power stations

Merowe Dam hydro (hydro)	1,250 MW
Kosti (oil)	500 MW
Port Sudan (gas)	374 MW
Rumela hydro (hydro)	320 MW
Roseires Dam hydro (hydro)	280 MW
Kilo-X Dit (oil)	257 MW
Karadeniz Powership (gas)	150 MW
Garri 4 (oil)	110 MW
Kenana (biomass)	76 MW
Burri (oil)	65 MW
White Nile Sugar Factory (biomass)	62 MW
North Cement Factory Solar (solar)	54 MW

Plus 16 smaller plants on the map.

Sources. Transmission lines: contains information from OpenStreetMap, which is made available under the Open Database License (ODbL), extracted 4 November 2026; lines missing from OpenStreetMap from World Bank 2017 Africa grid. Power plants: Global Energy Monitor Global Integrated Power Tracker (September 2026, CC BY 4.0), a project register built from public sources, WRI Global Power Plant Database v1.3, OpenStreetMap and the World Bank AICD inventory. Transmission projects: utilities, power pools, funders and news reports; master plans: EAPP master plan 2014. Towns: GeoNames (CC BY 4.0). Boundaries: Natural Earth.

Routes are indicative, drawn substation to substation. This map is for information only, not for engineering, investment or navigation decisions. Boundaries and names do not imply any view on their status. *Free to print and share for non-commercial use with credit to Aloe Energy, unchanged (CC BY-NC-ND 4.0).*

Download both sheets at aloeenergy.org/posters. The companion sheet shows the plans to 2035 and beyond.

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