

## Load shedding backup solutions Cameroon

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This paper, after assessing and ranking power shortage causes in Cameroon's northern Interconnected Grid, summarises the impact of power shortage on poor households and district hospitals.

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Post COVID-19 electrical load shedding on Cameroon's northern interconnected grid: causes, safety impact and solution proposals by Bouba Oumarou Aboubakar; Hong Xia Li; Ahmadou Bouba Oumarou International Journal of Reliability and Safety (IJRS), Vol. 16, No. 1/2, 2022

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both load shedding and the pollution caused by conventional power plants that burn fossil fuels. In order to improve the interconnected Northern Cameroon grid, researchers looked into the possibility of using the permanently acces- sible sun and wind at the Waibé-Lokoro-Kalfou location in Cameroon.



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There are currently two main family of green power backup solutions on the Cameroonian market: - Power backup based on offline inverters; - Power backup based on online inverters.

However, the Northern Interconnected Network (NIN) has become almost obsolete due to load shedding (Bello-Pierre et al., 2023) and blackouts (Kitmo et al., 2021). In most of Cameroon's ten regions, thermal power stations have been installed to back up the grid during blackouts.

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