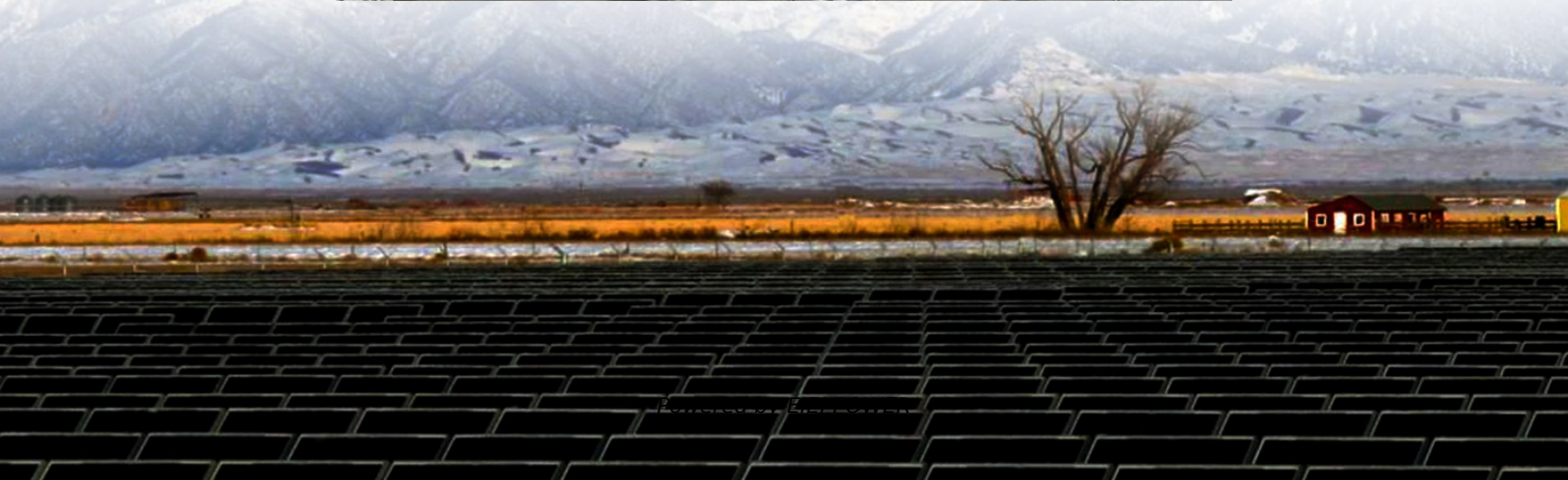


Off-grid pricing for foldable containers used at African airports





Overview

Which African countries have exhibit costs above USD 10c pp/d?

Eight countries exhibit costs above USD 10c pp/d (Burkina Faso, Central African Republic, Chad, Madagascar, Mozambique, Republic of Congo, Eswatini, Zimbabwe). Beyond Gabon, Equatorial Guinea and Senegal exhibit costs below USD 5c pp/d too.

What are the exhibit costs in Africa?

Beyond Gabon, Equatorial Guinea, and Senegal, exhibit costs are below USD 5c pp/d. However, eight countries have exhibit costs above USD 10c pp/d (Burkina Faso, Central African Republic, Chad, Madagascar, Mozambique, Republic of Congo, Eswatini, Zimbabwe).

Do Mini-grid (MG) cost inputs matter?

Mini-grid (MG) cost inputs matter proportionally less because fewer people are electrified with MG. Grid and transmission and distribution (T&D) infrastructure cost inputs have a relatively large impact too because a large share of the unelectrified population is projected to receive grid electrification.

Can decentralized systems provide universal electricity access in Sub-Saharan Africa?

The role of decentralized systems in providing universal electricity access in Sub-Saharan Africa is explored in the paper 'Energy 139, 184-195 (2017)' by Pappis. Decentralized systems can play a significant role in achieving universal electricity access in the region, as discussed in the paper 'Strategic low-cost energy investment opportunities and challenges towards achieving universal electricity access (SDG7) in forty-eight African nations. Environ. Res. Infrastruct.'



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