



Bess battery energy storage Puerto Rico

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DEPCOM Power has introduced Ciro One, Puerto Rico's largest solar and battery energy storage system (BESS). "We are honored to join our partners on this landmark project for Puerto Rico...

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The Caribbean island is planning to use battery energy storage systems (BESS) as part of a plan to replace gas-fired power plants following the devastation of hurricanes Irma and Maria in 2017.

Luma claimed ASAP could significantly reduce the time required to integrate BESS onto the grid, compared to Puerto Rico's present system of renewable energy and energy storage procurements through tenders.

The market for battery energy storage is estimated to grow to \$10.84bn in 2026. The fall in battery technology prices and the increasing need for grid stability are just two reasons GlobalData have predicted for this growth, with the integration of renewable power holding significant sway over the power market.

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The BESS integrates a lithium-titanate oxide (LTO) battery, which delivers higher cycling power and lower degradation than more commonly used lithium iron phosphate technology (LFP). Using LTO ensures a warranted system life to full 25 years, compared to only 20 years for LFP.



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