



# Uganda s integrated energy storage cabinet have extremely high efficiency





## Overview

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The project utilizes high-efficiency solar modules combined with containerized battery units, achieving 92% round-trip efficiency. Grid integration leverages Uganda's upgraded transmission infrastructure. By integrating intermittent renewable sources, enhancing grid stability, expanding energy access, and fostering economic growth, BESS can accelerate Uganda's ambitious goals of universal energy access by 2030 and net-zero emissions by 2065. The 100 MW photovoltaic array paired with Energy America's 250 MWh battery storage system marks East Africa's largest integrated clean energy project. This project solves solar's intermittency. Huijue Group's energy storage solutions (30 kWh to 30 MWh) cover cost management, backup power, and microgrids.



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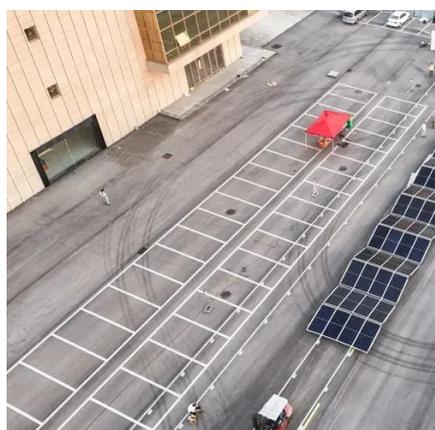
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