

# Paraguayan off-grid energy storage battery design

Does Paraguay have a grid-scale energy storage project?

The capital of Paraguay, Asunción. The country has not announced any grid-scale energy storage projects to-date. Image: CC /Mariano Mantel. Investment firms PASH Global and ERIH Holdings have formed a joint venture (JV) to develop utility-scale solar and battery storage projects in Paraguay.

Is the grid-scale battery storage market in Paraguay about to change?

Like most of Latin America, the grid-scale battery storage market in Paraguay is at a relatively early stage. However, recent moves by the government show that may be about to change.

Why is energy storage important for off-grid communities?

There is thus a huge global potential, in remote areas, for exploiting local renewable energy sources (RES) in place of fossil generation. Energy storage systems become hence essential for off-grid communities to cope with the issue of RES intermittency, allowing them to rely on locally harvested RES.

In this work, we analysed different typologies of off-grid renewable power systems, involving batteries and hydrogen as means to store energy, to find out which is the most cost ...



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