

Monrovia solar container communication station flywheel energy storage public notice





Overview

Can flywheel energy storage be commercially viable?

This project explored flywheel energy storage R&D to reach commercial viability for utility scale energy storage. This required advancing the design, manufacturing capability, system cost, storage capacity, efficiency, reliability, safety, and system level operation of flywheel energy storage technology.

What is amber's Proposed flywheel energy storage project?

Amber's proposed flywheel energy storage project is the culmination of several years of flywheel R&D. Energy storage technology that does not show degradation can be applied to solve multiple problems the current aging electric grid faces.

Why did FW4 design the M25 flywheel?

The unit was a proof-of-concept system lacking manufacturability, serviceability, and reliability. Based on the experience gained from FW4, the company designed the M25 model flywheel for this project. Three units of this new improved design were being manufactured when the project was awarded in February 2016.

Are complete flywheel systems environmental compatible?

Demonstrating environmental compatibility of complete flywheel systems over a wide range of conditions from -20-40o Centigrade (Co) has been challenging, however notable progress has been made in the field and the lab.

Components have been subjected to repeated cycles of hot and cold in an environmental chamber.



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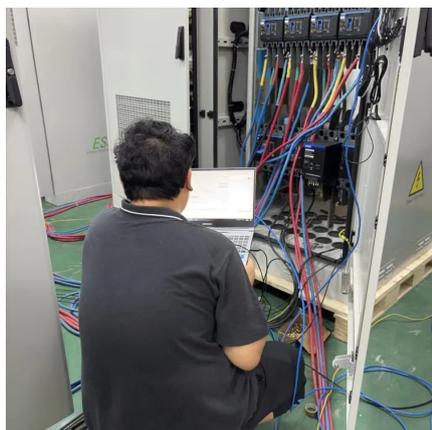


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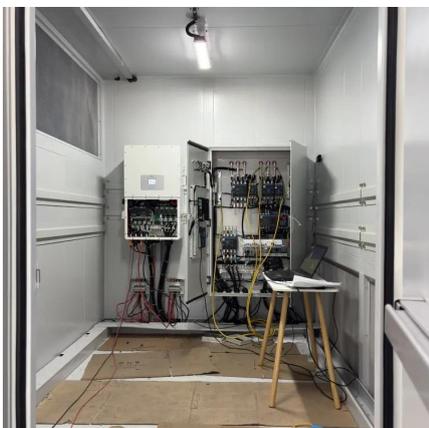
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