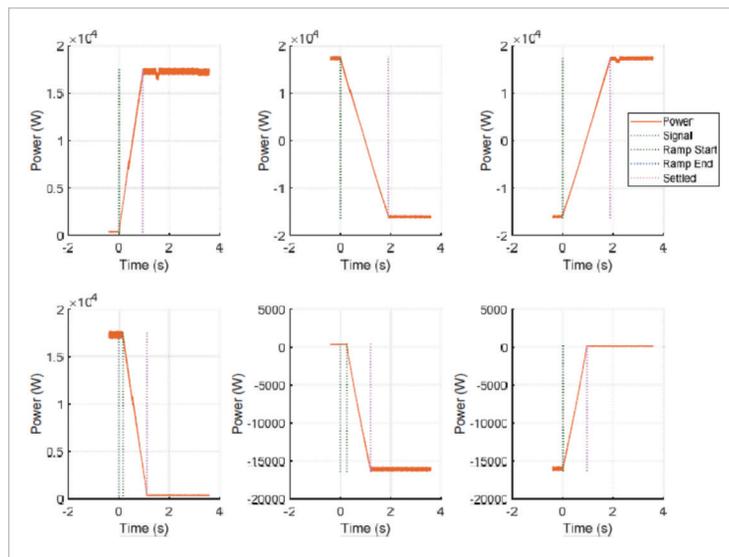




Amber Kinetics Selected by Enel—One of the World’s Leading Integrated Utilities

California has established an ambitious goal of relying entirely on zero-emission energy sources for its electricity by the year 2045—leading the nation toward a 100 percent clean energy future and addressing climate change. Specifically, California requires that 50 percent of California’s electricity to be powered by renewable resources by 2025 and 60 percent by 2030 and 100 percent zero-carbon electricity by 2045.

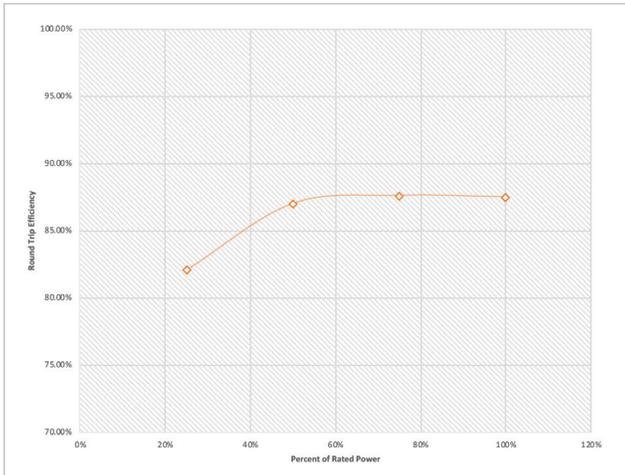
Amber Kinetics was selected by Enel to install its innovative long-duration flywheel energy storage system in California. The 8kW/32kWh system is being used to provide peak reduction to help balance the grid.



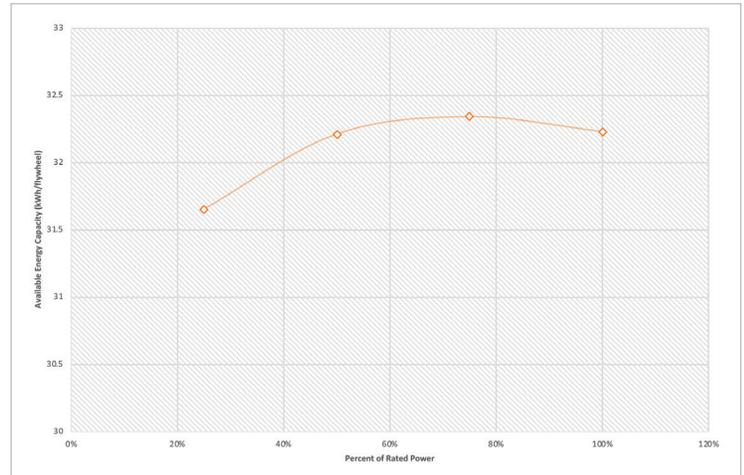
Response Time: Response time of the flywheel is less than a second.

“Due to the growing energy demand on grids, it is increasingly important to find grid balancing solutions to peaks in demand. Amber Kinetics’ flywheel addresses this issue with an interesting alternative to traditional batteries, providing Enel with a flexible solution to energy demand peaks that can be applied across the company’s diverse generation mix.”

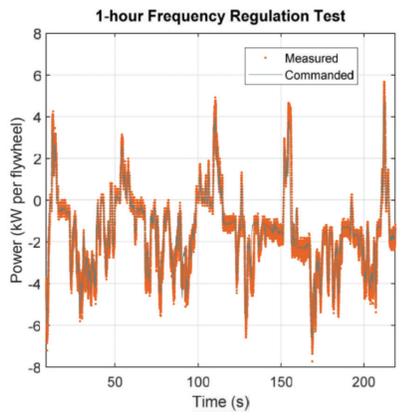
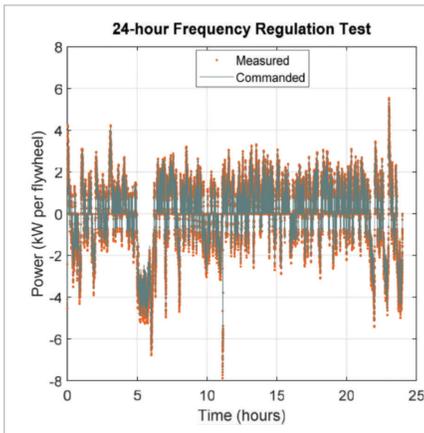
Unsurpassed Performance



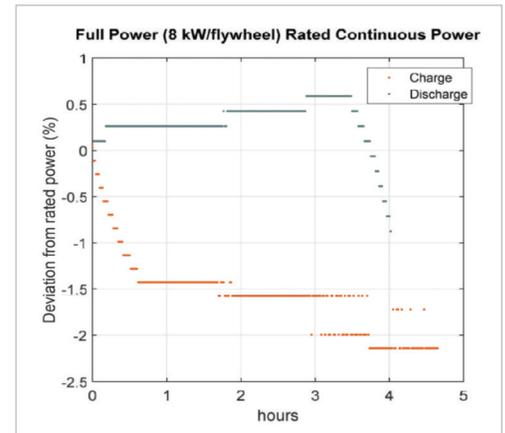
Round Trip Efficiency (RTE) at DC terminals is **over 87%** for cycles at or above 50% power.



Available Energy Capacity: The shape of the curve of available energy capacity is like RTE. Available energy is **lower at low power** due to constant losses.



Frequency Regulation Test: The 24-hour and 1-hour frequency regulation test validated that **the array follows the command** closely.



Power Capacity: Rated power is **8 kW/ flywheel** or **16 kW** for the array.

About Amber Kinetics

Amber Kinetics is the industry-leader in manufacturing grid-scale kinetic energy storage systems (KESS). As the only provider of long-duration flywheel energy storage, Amber Kinetics extends the duration and efficiency of flywheels from minutes to hours—resulting in safe, economical and reliable energy storage.



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