



# Hawaiian Electric s energy storage system





## Hawaiian Electric's energy storage system

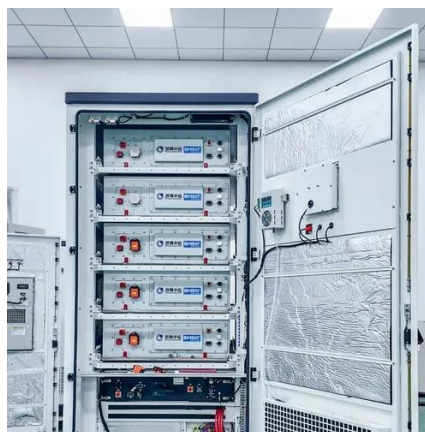


### Kapolei Energy Storage

Kapolei Energy Storage (KES) is ideally located on roughly eight acres of land in Kapolei on the island of Oahu, where it interconnects at a critical Hawaiian Electric substation. The 185 MW / 565 MWh ...

### Overview -- Kapolei Energy Storage

Plus Power has brought online a 185 MW / 565 MWh state-of-the-art battery energy storage system that provides clean, firm capacity to the Hawaiian Electric Company. The Kapolei Energy Storage ("KES") ...



[World's most advanced battery energy storage system comes ...](#)

Plus Power(TM) announced it has begun operating its Kapolei Energy Storage facility on Oahu, Hawaii, the most advanced grid-scale battery energy storage system in the world, helping ...



### [Hawaii Installs Tesla Battery Storage for Critical Grid Support](#)

An advanced 565 MWh battery storage facility featuring 185 MW of Tesla Megapacks will provide critical load shifting and frequency response services for Hawaii's renewable energy transition.



### [Hawaiian Electric to Begin Construction of Standalone Battery Energy](#)

Hawaiian Electric will begin construction in January on Maui's first large standalone load-shifting battery energy storage system as part of its transition to increased use of renewable energy ...



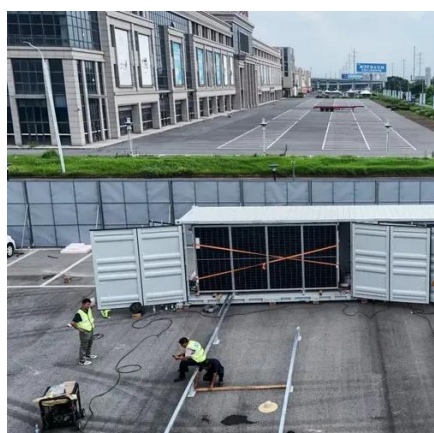
### [World's Most Advanced Battery Energy Storage System Replace Hawaii...](#)

The Kapolei Energy Storage system addresses this challenge by absorbing excess power from the grid during renewable generation peaks and delivering it during high-demand evening ...



### [Hawaiian Electric Launches Construction of Maui's First ...](#)

Hawaiian Electric Industries Inc. has announced plans to begin construction in January of Maui's first large standalone load-shifting battery energy storage system (BESS). The Waena BESS, ...



### [Large battery energy storage system now ...](#)



The 185 MW Kapolei Energy Storage project will help Oahu comply with Hawaii's requirements to shift from fossil fuels to 100% renewable energy sources by 2045.



Test certification  
CE FC



### GFM Landscape

KES is a 185 MW / 565 MWh battery energy storage system (BESS) composed of 158 Tesla Megapack 2 XLs and is located in Kapolei on the island of Oahu, Hawaii (see Figure 1). Developed and owned ...

### World's most advanced battery energy storage system comes ...

Hawaiian Electric's modeling found that in its first five years in operation, the KES battery plant will allow the utility to reduce curtailment of renewable energy by 69% and integrate 10% more





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