

Kongres Container

Taipei is making outdoor communication power supply BESS



Overview

What is Taipower's largest Bess project?

Fluence said it is Taipower's largest BESS project to-date, part of the utility's move to have 1,000MWh of energy storage on its network by 2025. A large amount of offshore wind is expected to be deployed in Taiwan in the coming years, and energy storage will play a crucial role in integrating its intermittent generation into the electricity grid.

Who is a partner for a Bess project in Taoyuan Longtan?

State-owned utility Taiwan Power Company (Taipower) deployed the project, and is located at the Taoyuan Longtan ultra-high voltage substation. Fluence provided the BESS units while Taiwan-headquartered industrial and electrical conglomerate TECO Electric & Machinery Co. (TECO) was the local partner for the project.

What is Bess & why is it important?

As the energy market evolves, BESS plays a crucial role in ensuring stable power supplies from variable renewables like wind and solar. Discover how BESS is driving the transition to a cleaner, more sustainable energy landscape.

Do I need backup power for a Bess auxiliary load?

For certain projects, backup power must be provided for the BESS auxiliary load as required by the BESS supplier or fire codes. Some BESS suppliers mandate uninterrupted power to maintain the operation of thermal management systems, ensuring battery temperatures remain within desired limits to minimize degradation.

Who is responsible for the electricity costs associated with Bess auxiliary loads?

Project owners are also responsible for the electricity costs associated with the

BESS auxiliary load during operation. The electricity cost for auxiliary loads depends on the energy consumption (kWh) and the pricing structure set by independent system operators or utilities. For example:.

Why is communication important in Bess design?

Answering questions like this will help your design and installation process go as smoothly as possible. Communications are an integral part of BESS design, as it allows for remote data monitoring and/or management, and for the BESS system to communicate with the power grid as well as connect to peripheral components.

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