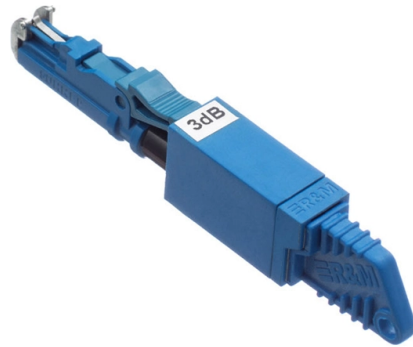


1MWh Hybrid Energy System for Intelligent Computing Center



Overview

This fully integrated solution combines a high-performance 500kWp solar photovoltaic (PV) array with a 1MWh Battery Energy Storage System (BESS), engineered to deliver reliable, clean power and optimize energy consumption for demanding industrial applications. This system is certified to IEC. The Megarevo PCS Solar Inverter features a built-in isolation transformer for robust load adaptation and 97. It features a 500 kWp solar array with over 22.5% efficiency and is certified to IEC standards. With a robust HITEKESS 2150kWh lithium battery bank, the solution delivers extended backup power and stable energy supply. The modular system allows for easy expansion. SolaX Power's TRENE 1MWh liquid-cooling energy storage system has been engineered with these changing market dynamics in mind. Designed as a fully integrated, utility-grade cabinet, it prioritises efficiency, reliability and rapid deployment, addressing the core financial and operational concerns. This case study presents a PV + BESS solution deployed for a leading IT company in Jamaica. 34/kWh), significant daily energy consumption (over 2,200 kWh), and the client's goal of reducing long-term energy costs while.



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