

About us

Nengfu Electrical is a company specializing in providing efficient and reliable electrical system solutions and engineering services. We seize opportunities in the development of new power systems and drives digital transformation across the energy sector.

PROJECT BACKGROUND

In response to Nantong City's "AI + Energy" strategy, Nengfu partnered with Hong Kong Heyi Solar Technology to develop a solar-storage-charging+AI near-zero carbon demonstration project at Rugao Software Park (Phase II). The project integrates 312.48kWpPV + 125kW/261kWh energy storage, combined with Nengfu's self-developed AI-powered energy dispatch system, to optimize park energy usage and dynamic carbon management.



NENGFU'S CONTRIBUTIONS

- AI Smart Dispatch: Enhances PV utilization by 15% and maximizes energy storage arbitrage revenue through load forecasting and strategy optimization.
- Integrated Energy Platform: Real-time monitoring and fault early warning improve system stability, reducing response time by 50%.
- Carbon Footprint Tracking: Automatically generates emission reduction reports, helping the park reduce 299 tons of CO₂ annually and earning government "Dual Carbon" policy support.

This project serves as a benchmark for Nantong's "AI + Energy" initiative, with future scalability to high-energy-consumption scenarios like industrial parks and data centers, driving the transition to green, smart energy.

Visualized AI application in electric power system protection

