

ContainerPower Energy Solutions

Huijue Technology solar Module Project



Overview

Huiyue Technology Group's 2024 Commercial Rooftop Photovoltaic Project utilized 5,000 square meters of rooftop space to install 720 TOPCon bifacial glass modules, with a rated capacity of 500 kW. The system is paired with a 120 kWh LFP energy storage solution. Through Huiyue's self-developed EMS intelligent scheduling, the self-consumption rate on the rooftop increased from 65% to 92%, saving approximately 450,000 yuan in peak electricity costs annually. The modules have a first-year degradation rate of $\leq 1\%$, a linear degradation rate of $\leq 0.4\%$, and can still output 87% of their rated power after 25 years, generating an additional 180,000 kWh over their full life cycle. The project's annual power generation is 600,000 kWh.

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