

Key Features:

Probabilistic Solar Energy

Forecasting: Predict solar energy generation one day and several days in advance.



Seamless Integration: Systematic integration between solar energy forecasting and optimal battery charging/discharging scheduling.



Battery Health Diagnosis &

Prognosis: Accurate estimation of battery health and prediction of remaining useful life.



Economic Benefits: Minimize payback time for homeowners, potentially eliminating electricity bills or even earning from selling back to the grid.



SolarSavvy:

Empowering the Future with Predictive Solar Intelligence

- **Objective:** Revolutionizing the solar energy sector by integrating advanced probabilistic solar energy forecasting with state-of-the-art battery health diagnosis and prognosis.
- **Collaboration Opportunities:** Engaging with stakeholders, utility providers, and experts for real-world validation and implementation.
- **Conclusion:** SolarSavvy aims to provide homeowners with a sustainable, efficient, and economically beneficial solar energy solution.