

Solar Farm Project - Grid Study Report

Project Details:

- Project Name: Sunshine Solar Farm
- Capacity: 150 MW DC
- Location: Queensland, Australia
- Connection Point: 132kV substation
- Expected COD: Q4 2025

Technical Specifications:

- Panel Type: Bifacial 550W modules
- Inverter Capacity: 120 MW AC
- DC/AC Ratio: 1.25
- Energy Yield: 285,000 MWh/year

Grid Connection Requirements:

- Grid connection application submitted: 15 March 2024
- AEMO registration: Pending
- Network augmentation required: Yes
- Estimated connection cost: 2.5M

Key Milestones:

- Development approval: Approved 10 Jan 2024
- Financial close target: Q2 2025
- Construction start: Q3 2025
- Commercial operation: Q4 2025