

TECHNOLOGY DEVELOPMENT PROJECT FACT SHEET

SP001: APS STAR Center

The APS STAR (Solar Test and Research) Center is one of the most advanced solar testing sites in the world, with virtually all types of photovoltaic technology and the latest in high concentration tracking systems under test or development.



Location: 1500 E. University Dr., Tempe, Arizona

Features:

- 200 kW Single Axis Tracking PV solar power plant
- 300 kW High Concentration PV solar plant
- 60 kW Tilted Tracker PV solar plant
- Rooftop PV system demonstrations for residential and commercial use
- Numerous examples of solar tracking systems and technologies
- Examples of the latest thin film, single crystal, polycrystalline and high concentration PV modules.
- Boeing Spectrolab Multi-Junction Concentrator System (Space Cells)
- Hybrid solar power system test facilities with 600 kWh of battery storage capacity and 150 kW diesel generator
- Examples of the latest power conditioning inverter technologies