

TECHNOLOGY DEVELOPMENT PROJECT FACT SHEET

RT012 Solar Single Axis Tracking Technology

A Single Axis Tracking solar electric system is typically made of photovoltaic panels that are mounted on a horizontal rack oriented in a North South direction. The rack is able to rotate such that the panels can “track” the sun from East to West throughout the day.

A horizontal single axis tracking system can generate about 20% more energy over the course of a year than a fixed position system of the same size.



APS has developed the “APS Multi-Tracker” system which has been installed in solar power plants throughout the State of Arizona. The APS Multi-Tracker is a single axis tracking system which employs a single motor to drive the whole solar field.



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