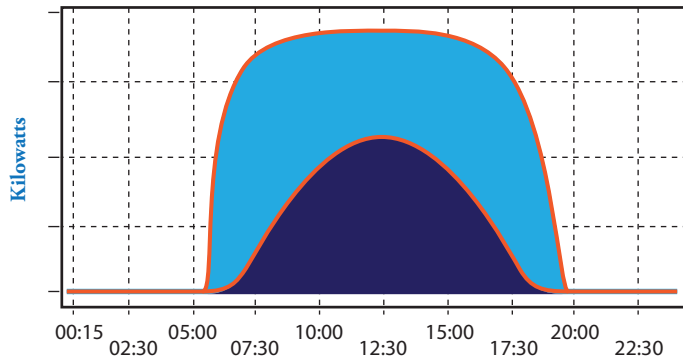


AA Solar 2 - Axis tracking energy production over fixed systems 30-45%



■ = Fixed System Power Production ■ + ■ = Advantage of a Tracking System

2 – AXIS TRACKING POLE MOUNT

System Ratings

Voltage Supply	24V DC
Operating Temperature	-10 to 140 deg. F
Accuracy	±.5 Degree
Elevation control	Ball screw
Rotation control	Worm gear drive
Elevation tilt angle	20 to 90 degrees
Rotation tracking range	240 degrees
Power Consumption	20 Watts per day
Off Grid battery backup system	24 volts DC

System specifications

2 Axis tracking system	Accurately tracks sun from sunrise until sunset
Tracking method	AA Solar designed Microprocessor controlled calculated solar position
Motor protection	High precision circuitry to prevent and detect overloads.
Motor drive type	24 volt DC motor drives for both elevation and rotation
Monitoring	Remote monitor and full control by internet connection or satellite link
Operation status	On board status indicators
Communications	Multiple trackers interconnected with RS-485
Wind protection	Automatic with proprietary protection algorithm
Control Switches	Storm and emergency stop switches

Power output

DC or AC with micro inverters
Convertible to AC voltage power systems of 120, 208, 240, 277, 480 etc.
Grid connected or off grid
If the grid goes down with an interconnected system via a separate inverter and control system you can be independent from the grid and still track from sun up until sundown.

Structural

Wind load	120 Mph
Solar output power	Up to 20 panels @290 watts per panel
Structural materials:	Steel Construction - hot dipped galvanized
Mounting	Ground screws