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SINGLE-AXIS TRACKER

With the Luma's "1P" formation, efficiency meets elegance with a single row of panels arranged in a portrait orientation. Its central axis gracefully aligns along the midpoint, ensuring optimal solar tracking performance.

TRACKER FEATURES



NIGHT FLIP



OFF-SET
INSTALLATION



ADJUSTABLE
HEIGHT



ADJUSTABLE
ARRAY LENGTH

TRACKING

- Tracking Method Single-Axis, horizontal (N-S installation)
- Tracking Range -85° $+85^{\circ}$ (-90° , $+180^{\circ}$ With Night-Flip Mode)
- Backtracking Configurable to terrain
- Accuracy 0.1°

CONFIGURATION

- No. of Panels Up to 48/54 Modules per Array depending on module size
- Tracker Layout 2 Strings per Array (24/27 Modules depending on module size)
- Tracker Unit Up to 3 Arrays with 1 Controller
- Drive Type Slewing Drive with DC Motor
- Tracker per MWP Approx. 30 arrays

PERFORMANCE

- Capacity per tracker Up to 30kWp (Depending on Panel)
- DC Motor Operating Voltage 24V / DC
- Performance Temperature Range -40°C up to $+70^{\circ}\text{C}$

INSTALLATION TOLERANCES

- N-S Slope 11°
- Pole Height $\pm 25\text{mm}$
- Pole plumb $\pm 1^{\circ}$
- Pole Twist $\pm 2^{\circ}$

DIMENSIONS

- Length 62,5m / 205 ft
- Width 2.4 m / 7.9 ft
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ADDITIONAL FEATURES

- Monitoring Real Time Documentation
- Over Current Protection Yes
- Motor Torque Control Yes
- Remote Control Yes
- Warranty Up to 20 Years

