

AXone

Designed to last

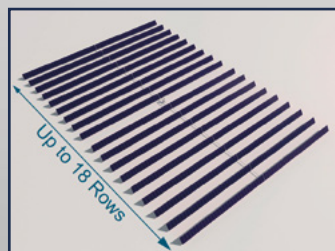


3703

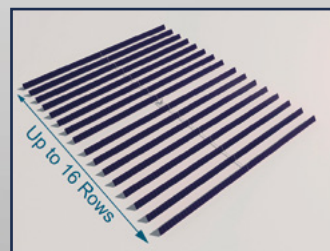


STRUCTURAL & MECHANICAL SPECIFICATIONS

Tracker	<i>Horizontal single-axis with central driveline architecture</i>
Rotational range	<i>+/-55°</i>
Drive	<i>Linear Actuator</i>
Motor	<i>Industrial AC/DC motor, up to 2.2 kW (30 Tn), configurable 3-phase wireless connection</i>
Motors per MWp (390 Wp modules)	<i>Approx. 2.3</i>
Ground coverage ratio	<i>30-50%, depending on configuration</i>
Modules supported	<i>All market available modules, including thin film and bifacial</i>
Slope tolerances	<i>N-S: 3%, E-W: 8%</i>
Module configuration	<i>Single-module in portrait, other configurations optional</i>
Module attachment	<i>Direct mount to panel rail (configurable for clamps)</i>
Structural materials	<i>Magnelis / Hot-dipped galvanized steel per ASTM A123 or ISO 1461</i>
Allowable wind load	<i>Specific conditions up to 120 mph/193 kph (To study in detail under superior conditions)</i>
Grounding system	<i>Equipotential tracker, module grounded through serrated washer</i>
Wind alarm	<i>Yes, stow position in up to 7 minutes</i>
Wind speed sensors	<i>Anemometer</i>
Solar tracking method	<i>Astronomical algorithm with GPS input</i>
Controller Electronics	<i>Siemens PLC and VFD (single or 3-phase) and other first-tier components, GPS time synchronization, one controller per inverter block</i>
SCADA interface	<i>Modbus TCP or OPC-UA</i>
Nighttime stow	<i>Yes, configurable</i>
Backtracking	<i>Yes</i>
In-field manufacturing	<i>No</i>
On-site training and commissioning	<i>Yes, included in tracker supply</i>
Standard warranties	<i>Structure: 10 years. Electromechanical components: 5 years</i>
Certifications	<i>UL3703, IEC 62817</i>
Structural Adaptation to Local Codes	<i>Yes, verified by third-party structural engineers if required</i>



60 & 62 modules per row



64 modules per row