

AXone DUO

Efficiency Synchronized



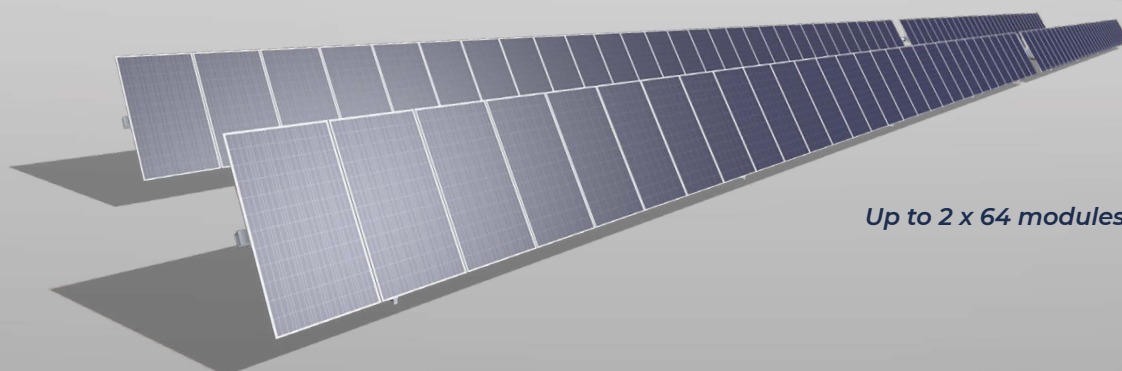
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STRUCTURAL & MECHANICAL SPECIFICATIONS

| | |
|---|---|
| Tracker | <i>Horizontal single-axis with central driveline architecture in dual row</i> |
| Rotational range | <i>+/-60°</i> |
| Drive | <i>Gear drive arm screw</i> |
| Motor | <i>DC Motor</i> |
| Motors per MWp (390 Wp modules) | <i>~ 20</i> |
| Ground coverage ratio | <i>30-50%, depending on configuration</i> |
| Modules supported | <i>All market available modules, including thin film</i> |
| Slope tolerances | <i>N-S: up to 14%, E-W: unlimited</i> |
| Module configuration | <i>1 module in portrait</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>Tailored to site specific conditions up to 120 mph/193 kph</i> |
| Grounding system | <i>Self-grounded via serrated fixation hardware</i> |
| Storm alarm for high winds | <i>Yes, stow position in up to 5 minutes</i> |
| Wind speed sensors | <i>Ultrasonic anemometer</i> |
| Solar tracking method | <i>Astronomical algorithm with GPS input</i> |
| Controller Electronics | <i>A central control unit per solar plant. Wireless communication with trackers. Redundancy of wireless gateways to guarantee communication</i> |
| SCADA interface | <i>Modbus TCP or OPC-UA</i> |
| Communication Protocol | <i>LoRa Wireless</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> |



Up to 2 x 64 modules