

EXTREME WEATHER

AND DURATRACK HZ® V3 SOLAR TRACKERS

PREVENT CATASTROPHIC FAILURES WITH ARRAY TECHNOLOGIES' REVOLUTIONARY WIND MITIGATION TECHNOLOGY

Array Technologies designs for the full-site wind speed rating at any tracker angle, including the full-tilt angle, for each project. The DuraTrack HZ V3 single axis tracker is the only tracker on the market that passively relieves wind forces on a row-per-row basis without relying on active stow, sensors, or electricity.

DuraTrack HZ V3 is designed to passively and reliably self-manage wind events on a per-row basis, allowing unaffected rows to continue optimal tracking.

Reduce your project's complexity, operation and maintenance cost, and risk over the 30-year life of the solar plant.



NO WIND STOW; NO ELECTRONIC STOW SIGNAL REQUIRED

Torsion limiters' reactions to extreme weather conditions are passive, their function inherent in the design, an innovative approach that requires no stow mechanism or uninterrupted power source.



NO OVER-ROTATION OF MODULES

Advanced bearing housing and mechanical stops at every column prevent over-rotation of modules, locking and restraining the tracker safely at the 52-degree angle.



NO CALIBRATION NEEDED

The DuraTrack HZ V3 system self-calibrates twice each day, resynchronizing the position of any rows affected by extreme weather conditions to ensure optimal tracking.



NO SLIPPING OF DRIVELINE

Unique driveline technology prevents the clutch from slipping.



NO TORSIONAL GALLOPING

Unlike other trackers, torque-limiting design allows each tracker row to automatically relieve torsion forces and eliminate harmonic interactions.



NO INSTABILITY OR OVERSTRESS ON SYSTEM

The system's flexibility prevents added points of failure during extreme weather conditions, resulting in more stability for both the tracking system and the solar modules.



NO SCHEDULED MAINTENANCE FOR 30 YEARS

Lifetime tested, and without any adjustment necessary, the DuraTrack system is robust, sealed, and permanently lubricated.



**CONSTRUCTION
SERVICES**