LIANSTOR ENERGY

After-Sales & O&M Manual

TG8-V3

Solar Tracking Racking

Powerful rotation, rear actuator, dual-side damping

WZPV-SZTZ-8



Inspect Along Three Lines: Load Bearing, Motion and Electrical

Routine checks, post-severe-weather checks and fault checks should each be recorded separately.



Structure and connections

Column, flanges, load-bearing frame and connectors; check looseness, deformation, cracks and coating damage.

Actuator, dampers and slew drive

Check actuator pins and locks, rod surfaces and breather valves; check both dampers for leakage, terminations and the slew feedback.

Electrical and platform

Check enclosure sealing, grounding, terminals and moving cables; verify online status and alarm records.

Build the Maintenance Plan Around Site Conditions

Intervals, lubricants and quantities, backlash and wear replacement limits follow this model's delivered plan and component requirements.

Check timing	Check content	Output records
Commissioning baseline	Zero position, limits, parameters, tightening marks, grounding, photos and software permissions.	Establish the device archive.
Routine walkdown	Online status, alarms, unusual noise, appearance, cables and motion space.	Record anomalies and schedule inspection.
Planned maintenance	Check connections, anti-corrosion, drives, sealing and feedback at approved intervals.	Maintenance work orders and re-verification results.
After high wind, snow or thunderstorms	Confirm the environment permits work first, then check structure, actuators and waterproofing/grounding.	Weather event and check conclusions.
After part replacement	Wiring, mating parts, calibration, limits and motion verification in each mode.	Update part numbers and parameter backups.

Identify the Fault First, Then Decide the Treatment

Symptom	Check focus	Treatment principle
No motion or loss of contact	Supply, protection state, communication, authorization and mode.	Isolate the fault; test after confirming permitted conditions.
Wrong direction or position	Power polarity, feedback channels, zero position and mechanical limits.	Stop automatic operation; re-verify wiring and calibration.
Noise or motion jamming	Loose connections, mechanical interference, cable dragging and the drivetrain.	Cut motion power and inspect; never force operation with a fault present.
Weather protection not executed	Weather inputs, thresholds, stow posture and control strategy.	Verify the configured chain and validate the protection action on site.
Water ingress or corrosion	Enclosure, cable entries, actuator breather valve and damper rod surfaces.	Restore sealing and coating; judge whether parts need replacement.

When Reporting a Fault, Explain It Fully the First Time

Device identity

Model, serial number, project location, commissioning date and replacement records.

Fault evidence

Fault codes, onset time, operating mode, weather conditions, site photos and short videos.

Treatment records

Checks performed, parameter changes and shutdown measures; keep logs and original parameter backups.

Contact window

sales@lianstor.com. LIANSTOR confirms treatment, spares and on-site service scope per the order and warranty terms.

Confirm the Device Can Run After the Repair Is Complete

Before re-verification, the site lead completes mechanical and electrical release and removes temporary supports per the plan. Jogging is forbidden with temporary supports in place.

Re-verification item	Acceptance action	Records
Structure	Check connections, tightening, anti-corrosion and motion clearance; confirm no loosening or interference.	Location, photos and treatment results
Drive	Low-speed jogging axis by axis; check noise, jamming, feedback and limit stops.	Direction, response and fault state
Control	Verify zero position, parameter versions, parking and protection strategies; complete authorized recovery.	Parameter backups and test results
Electrical	Verify terminals, protective grounding, cable motion margin and waterproofing.	Test and rectification records
Handover	Remove service tools, release service locks, confirm normal mode.	Date, executor and reviewer

Clear Handover of Spares and Service Scope

Item	Handover requirement
Spare matching	Order by model, component nameplate, revision and connection interface; similar appearance never substitutes for matching.
Maintenance safety	Isolate automatic and remote motion; set temporary supports per the load condition before removing loaded parts.
Warranty and repair	Period, consumable parts, costs, response and on-site service follow the contract.
Device archive	Keep installation acceptance, work orders, part replacements, firmware and parameter versions.
Contact LIANSTOR	sales@lianstor.com | lianstor.com

LIANSTOR ENERGY

Lianstor Energy Technology (Hebei) Co., Ltd.

www.lianstor.com

sales@lianstor.com

C Certified

L Long-lasting

E Efficient

A Affordable

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