



Automatic Transfer Switch (ATS) Maintenance Checklist

10 planned preventive maintenance tasks · Free PDF from PM Assist

A practical starting point for planned preventive maintenance. Always refer to the manufacturer's O&M manual and site-specific requirements.

Visual Checks

- ☐ Inspect main power contacts for wear, pitting, and arcing
- ☐ Inspect cable terminations and busbars for tightness and heat

Functional Checks

- ☐ Carry out a simulated mains-failure test and confirm transfer to standby
- ☐ Confirm re-transfer to mains on supply restoration, with correct timing
- ☐ Check the controller, settings, timers, and any display/alarms
- ☐ Verify the start signal and interface to the generator operate correctly
- ☐ Confirm correct phase rotation and voltage sensing
- ☐ Check the enclosure, isolation, and any manual bypass operation

Safety Checks

- ☐ Verify mechanical interlocks prevent paralleling of sources

Record Keeping

- ☐ Record transfer test results, timings, and contact condition in the log

Maintenance Frequency

Monthly

- Transfer test (with generator run)
- Confirm correct transfer and re-transfer
- Check controller status

Annually

- Contact inspection and connection torque check
- Controller and timing verification
- Interlock and bypass test
- Full electrical inspection