A smarter grid requires an intelligent recloser.

NOVA NX-T recloser with Form 6 control

EATON
Powering Business Worldwide
Evolving technology requires smarter solutions—up and down the line

INTEGRATED
ACCURATE SITE-READY
WEATHERPROOF
FLEXIBLE COMPACT ROBUST
Tighter O&M budgets, less time and more demands

Utilities balance the need for reliable power against these realities every day. From installation and configuration to routine operation and maintenance, efficiency requires convenient product designs, hardened technologies and intelligent, communicating products. On an increasingly complex grid, it’s all critical to system reliability.

Eaton’s Cooper Power™ series NOVA™ NX-T recloser is designed with three goals in mind:

**Enhance sensing performance**
The NOVA NX-T recloser is a fully integrated solution with highly accurate, resistive source-side and optional load-side sensors, achieving ±2% accuracy across the full rated temperature range.

**Ensure reliability**
The NOVA NX-T recloser protects all sensitive control electronics in an IP43-rated enclosure. MILSPEC twist/lock connectors positively seal out moisture, and Eaton’s proven epoxy insulation solution withstands extreme environmental temperature ranges.

**Simplify configuration and use**
From standard site-ready designs to large reflective 360-degree-viewable position indicators, every aspect of the NOVA NX-T recloser is designed for ease of configuration, installation, operation and control.
Innovation from Eaton

The NOVA NX-T recloser is founded on decades of industry leadership and proven solid epoxy design and vacuum interrupter technology. All key components—from the microprocessor-based control to the integrated resistive voltage sensors, a robust magnetic actuator, the weather-resistant connector system, and the 360-degree position indicator—are purpose built.

Exclusive resistive sensing for reliability and accuracy

The NOVA NX-T recloser is the only integrated six-sensor resistive-sensing solution, enabling the accuracy and distribution system reliability critical to smart grid applications. Engineered specifically for this recloser, these high-integrity sensors are fully integrated with the tank. The complete system—from sensors to control—is ±2% accurate across temperatures from –40 °C to +55 °C.
A perfect connection every time

Eaton’s MIL-DTL-38999 Series IV Breech-Lok™ connectors positively lock cables in place with a simple 1/4-turn twist/lock mechanism. See, feel and hear when a positive connection has been made. The result is a MIL-SPEC solution that ensures the integrity of the connection and provides an unprecedented level of protection from the elements.

Moisture and temperature protection

A universal junction box—integrated into the galvanized steel frame—consolidates cables and protects connections from the elements. Also, wiring terminations to sensors are sealed inside the tank, providing a robust connection point.

An IP43-rated control enclosure positioned at the lineman level protects sensitive electronics, and a time-tested epoxy insulation system withstands extreme temperature fluctuations—all of which make the NOVA NX-T recloser an ideal choice for harsh environments.
Visual verification from the ground level

A quick glance at the underside of the NOVA NX-T recloser identifies the interrupter position. Red indicates closed—green indicates open. Large, highly reflective surfaces are visible from any angle, even on the darkest nights or from the road during inclement weather...when it matters most.

Mechanical safety interlock
An integral safety interlock mechanically prevents contacts from closing when the operating handle is in the open position.

IP43-rated enclosure
All electronic components are located in an IP43-rated control box at lineman level to enhance serviceability.
Form 6 control—proven, and utility SCADA ready

Interfacing with the NOVA NX-T recloser and programming different schemes is simplified with an intuitive HMI and ProView™ application software. Configure and control on-site or remotely.

Time-saving, site-ready configurations

Pre-wired tanks with sensors, arresters and PTs are convenient options that make the compact and lightweight NOVA NX-T recloser ready to lift to the pole. Pre-tested assemblies on a standardized frame system are ready for power connections in parallel in-line, perpendicular in-line, tri-mount or vertical phase-over-phase configurations.
NOVA NX-T recloser options and accessories

- Terminals
  - Eyebolt (standard)
  - Two- or four-hole flat pad
  - Stud-style, 1.125 threaded terminals
- Wildlife guards—snap-fit installation
- Arresters/PTs or mounting provisions
- Source/load-side voltage sensors
- 5 A auxiliary switch
- Factory assembly options—phase/ground leads and full site-ready designs
- Extended BIL
- Substation frames/brackets

For Eaton’s Cooper Power series product information, visit Eaton.com/cooperpowerseries