

# Automatic reliability



## Introducing the ATC-300+

Eaton's new, all-inclusive ATC-300+ is a comprehensive, multi-function, microprocessor-based automatic transfer switch (ATS) controller. It is a compact, self-contained, panel-mounted device that protects critical electrical loads against loss of power.

### Designed with the user in mind

The ATC-300+ is equipped with a two-line LCD display and includes a high-contrast green background that displays all monitored parameters and program set points as well as enables users to view messages and access help prompts in easy-to-read formats.

Using the integrated keypad buttons and local menu, users can display a variety of electrical system values or program the controller.

### Industry-standard communication protocol

The ATC-300+ is communication capable via Modbus® RTU (remote terminal unit). This industry-standard protocol provides serial communications with Eaton or third-party platforms, such as a building-management system, power-management system or Eaton's Power Xpert® Architecture. For more information please reference the ATC-300+ Modbus Communications Guide (document number 66A7787).

### Features and benefits of the ATC-300+

- Communication via Modbus RTU—metering data, engine test, set point management, system status *(New)*
- Remote Annunciator Controller—monitor and control single or multiple ATs *(New)*
- Load shed / emergency inhibit *(New)*

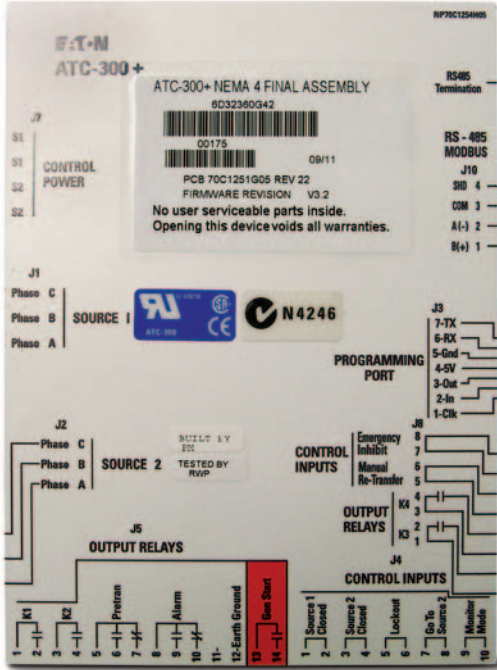
- Manual retransfer from emergency to normal source *(New)*
- NEMA® 1, 3R, 12 and 4X *(New)*
- Meets MasterSpec® requirements
- Programmable set points
- LED mimic screen
- Two-line, 16-character LCD
- Passcode protection
- UL® 1008 / CSA® 22.2-178 compliant
- Integral engine test and programmable engine exerciser
- Generator start, pre-transfer and alarm relay outputs
- Lockout and monitor modes
- Open, delayed and in-phase transition
- Utility-generator and dual utility configurations
- Event log
- Voltage and frequency metering
- Peak shaving / go to emergency
- Phase reversal sensing
- Voltage imbalance sensing

### Compatibility

The ATC-300+ not only offers an enhanced feature but it is designed to be backward-compatible, meaning you can easily retrofit legacy automatic transfer switches that utilize the ATC-300.



Powering Business Worldwide



ATC-300+ (rear view)

## Strategic asset management

In addition to facilitating the automatic transfer of power during loss of utility, the ATC-300+ integrates into Eaton's Power Xpert Architecture, where meters, gateways and monitoring devices collaborate to create a unified, centralized view of the end-to-end power and facility infrastructure.

The perfect complement to any ATS solution, Power Xpert keeps a constant pulse on system health through its monitoring capabilities and provides you with the ability to manage your power system as a strategic asset.

The system is capable of delivering a global view across the network—often from any PC with an Internet browser. Power Xpert can also provide a complete log of events, a feature that is invaluable when debugging a power anomaly.

With access to accurate, real-time information from the ATC-300+, the Power Xpert Architecture can transform your power system into an integrated, agile system and an easily managed entity that performs better and costs less.

**Eaton Corporation**  
Electrical Sector  
1111 Superior Ave.  
Cleveland, OH 44114  
United States  
877-ETN-CARE (877-386-2273)  
Eaton.com

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## Remote monitor and control

Eaton's Remote Annunciator Controller (RAC) easily interfaces with the ATC-300+ and provides users with the ability to remotely monitor and control multiple automatic transfer switches from a single intuitive, HMI (human-machine interface) via a robust touchscreen.



## ATC-300+ selection

Catalog number	Type	Topology	Dimensions (H x W x D in.)
8160A00G100	Breaker	Time delay neutral (TDN)	8" x 6.5" x 2.6"
8160A00G104	Contactor	2-position (in-phase)	8" x 6.5" x 2.6"
8160A00G108	Contactor	3-position (in-phase, TDN)	8" x 6.5" x 2.6"

## IMPACT OF POWER LOSS

Every day, an interruption to electrical service in homes, businesses and public sector organizations occurs, and the losses from these power outages can be extensive and of great consequence. For a business, the recovery time is significant and the costs are high. According to PricewaterhouseCoopers research, after a power outage disrupts IT systems:

- 33 percent of companies take more than a day to recover
- 10 percent of companies take more than a week
- It can take up to 48 hours to reconfigure a network
- It can take days or weeks to re-enter lost data
- 90 percent of companies that experience a computer disaster and lack a survival plan go out of business within 18 months

Power outages can cause substantial losses for the companies affected. According to the U.S. Department of Energy, when a power failure disrupts IT systems:

- 33 percent of companies lose \$20,000 to \$500,000
- 20 percent lose \$500,000 to \$2 million
- 15 percent lose more than \$2 million

**Eliminate the cost of a power interruption to critical loads by putting Eaton's ATC-300+ in the driver's seat of your power chain.**

### Note:

Specifications are subject to change without notice and represent the maximum capabilities of the product with all options installed. This is not a complete feature list. Features and functionality may vary depending on selected options, firmware version and product model. Please refer to O&M Manual for detailed specifications.

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