



50A Compact Automatic Transfer Switch

Model: NGA05030000N

Certifications & Compliance

Manufactured and tested in accordance with the following standards:

- UL 1008
- UL 508A
- CAN/CSA C22.2 No.178.1

Compliant with applicable requirements of the National Electrical Code (NEC) and Canadian Electrical Code (CEC)



Features

Automatic Power Switching: During a power outage, this ATS will automatically switch to battery, solar, or generator power.

High Capacity & Wide Compatibility: Supports up to 50A and is compatible with solar generators, battery systems, inverters, and gas generators.

Compact, Panel-Free Design: Designed to integrate directly with an existing electrical panel, eliminating the need for a built-in subpanel and allowing greater installation

Seamless Transition: The switch provides seamless transition to backup power, ensuring your devices continue running without interruption.

Extensive Circuit Coverage: Manages up to 24 circuits, allowing essential appliances and systems to stay powered during outages.

Durable, Heavy-Duty Enclosure: The ATS is built to last, featuring a durable enclosure that protects the internal components from the elements.

Complete Connection & Control System: The ATS comes with all the necessary components for easy installation, including a power cord and control console.

Certified for Safety & Code Compliance: This ATS meets all relevant safety and code compliance standards, ensuring it is safe to use in your home or business.

50A Automatic Transfer Switch

Technical Specification Sheet (Page 2)

Model: NGA05030000N
Document ID: ATS-50A-001

Electrical Ratings | Circuit Configuration

Parameter	Specification	Parameter	Specification
Rated Current	50A	Spaces	n/a
Voltage	120 / 208 / 240 VAC	Max Circuits	n/a
Frequency	60 Hz	Breaker Type	n/a
Bus Rating	63A	Max per Space	n/a
Wire Capacity	Up to 2 AWG	Compatible Types	GFCI / AFCI supported
Voltage Range:	80% to 120% of rated	Supported Brands	Siemens/Murray, Eaton, GE, Square D, Noark
Load Transition Type	Open transition		

Mechanical | Operation

Parameter	Specification	Parameter	Specification
Dimensions	12 1/2 × 10 × 5 in (317.5 × 254 × 127mm)	Transfer Time	< 100 ms
Weight	19 lbs (8.67 Kg)	Transfer Delay	<1 / 1 / 3 / 5 sec (DIP Switch)
Enclosure	NEMA Type 1	Auto Transfer	Configurable delay
Mounting	Vertical wall mount	Auto Return	Optional (DIP switch)
Application	Indoor use	Status Indicators	LED (Normal / Backup)
Dead Cover	Quick Release	Manual Operation	Selectable

Environmental

Parameter	Specification	Parameter	Specification
Operating Temp	-40°C to +55°C (-40 °F to 131 °F)	Humidity	0–95% RH (non-condensing)
Storage Temp	-40°C to +70°C (-40 °F to 158 °F)	Altitude	Up to 2000 m (approximately 6562 feet)

General

Parameter	Specification	Parameter	Specification
Model Number	NGA05030000N	UPC Code:	00810170211362
Compliances	SGS / cSGS	Warranty:	5 Year limited warranty

Notes

- Manual operation supported without power. - Designed for residential backup and generator applications. NOT for critical life support applications.
