



30A Automatic Transfer Switch

Model: NGA03030816N

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 of the 30A Automatic Transfer Switch

Automatic Power Switching: Seamlessly transitions selected circuits to backup power during outages—no manual intervention required.

High Capacity & Wide Compatibility: Supports up to 30A and is compatible with most solar generators, battery systems, inverters, and gas generators across 120V–240V configurations, including AFCI/GFCI breakers.

Broad Generator Compatibility: Compatible with most solar generators, battery systems, inverters, and gas generators across 120V–240V configurations, including AFCI/GFCI breakers.

Continues Using Backup Power After Utility Restoration: Maintains backup power usage even after utility power is restored, without automatic switching.

Extensive Circuit Coverage: Supports management of up to 24 circuits, ensuring essential appliances and systems remain powered during outages.

Durable, Heavy-Duty Enclosure: Constructed with a robust enclosure designed for reliable performance and long-lasting durability in challenging installation environments.

Complete Connection & Control System: Includes a NEMA L14-30P 30A inlet and a 30A power cord, plus a centralized control console for monitoring, testing, and manual power source override.

Certified for Safety & Code Compliance: Adheres to strict safety and performance standards including UL 1008 and CAN/CSA C22.2 No. 178.1, with documentation confirming compliance under ISO/IEC Guide 17067.

Electrical Ratings | Circuit Configuration

Parameter	Specification	Parameter	Specification
Rated Current	30A	Spaces	8
Voltage	120 / 208 / 240 VAC	Max Circuits	16 (with tandem)
Frequency	60 Hz	Breaker Type	1-inch standard
Bus Rating	50A	Max per Space	2 (tandem)
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	22 3/4 × 14 1/4 × 6 1/2 in (39 × 35.8 × 12.7 cm)	Transfer Time	< 100 ms
Weight	38.58lbs(17.5kg)	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	NGA03030816N	UPC Code:	810170210624
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.