



125A Automatic Transfer Switch

Model: NGA12532448W

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

Durable, Heavy-Duty Housing: Built with a strong enclosure that ensures dependable performance and longevity, even in tough outdoor conditions, now featuring NEMA 3R for added protection.

Robust Capacity & Broad Compatibility: Accommodates up to 125A and is compatible with a variety of solar generators, battery systems, inverters, and gas generators across 120V–240V configurations, including AFCI/GFCI

Grid-Tie Inverter Compatible with Parallel Power Path: Enables grid-tie inverters to function during outages, directing power to AC-coupled batteries for ongoing solar operation.

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

Comprehensive Circuit Management: Supports up to 48 circuits, ensuring that essential appliances and systems remain operational during power outages.

Seamless Power Transition: Automatically switches designated circuits to backup power during outages without any manual intervention.

Integrated Connection & Control System: Features a centralized control console for system monitoring, testing, and manual power source override.

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

Electrical Ratings | Circuit Configuration

Parameter	Specification	Parameter	Specification
Rated Current	125A	Spaces	24
Voltage	120 / 208 / 240 VAC	Max Circuits	48 (with tandem)
Frequency	60 Hz	Breaker Type	1-inch standard
Bus Rating	125A	Max per Space	2 (tandem)
Wire Capacity	Up to 2/0 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	35 7/16 × 14 1/4 × 6 5/16 in (896.6 × 360 × 160 mm)	Transfer Time	< 100 ms
Weight	58 lbs (26.3 kg)	Transfer Delay	<1 / 1 / 3 / 5 sec (DIP Switch)
Enclosure	NEMA 3R	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	NGA12532448W	UPC Code:	850042817780
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.