GENERAC®

AUTOMATIC STANDBY GENERATORS

LIMITED WARRANTY to CONSUMERS
GOOD HOUSEKEEPING
Since 1909
REPLACEMENT or REFUND if DEFECTIVE

life is better with power™

Power. Our lives depend on it. From everyday necessities like heating, cooling and lights, to daily essentials like cooking, laundry or the kids' bath time. Power outages are occurring more frequently than ever and lasting longer with devastating effects.

A Generac® automatic standby generator provides 24/7 protection for your home and family and keeps life going without disruption whether you're home or away.

The #1 Selling Automatic Standby Generator features:

Convenient hands-free operation
No fueling. No manual start. No extension cords.

Clean smooth power
True Power™ technology provides safe operation of sensitive electronics.

Long-run, long-life operation
Generac OHVI® engine built specifically for high demand generator use.

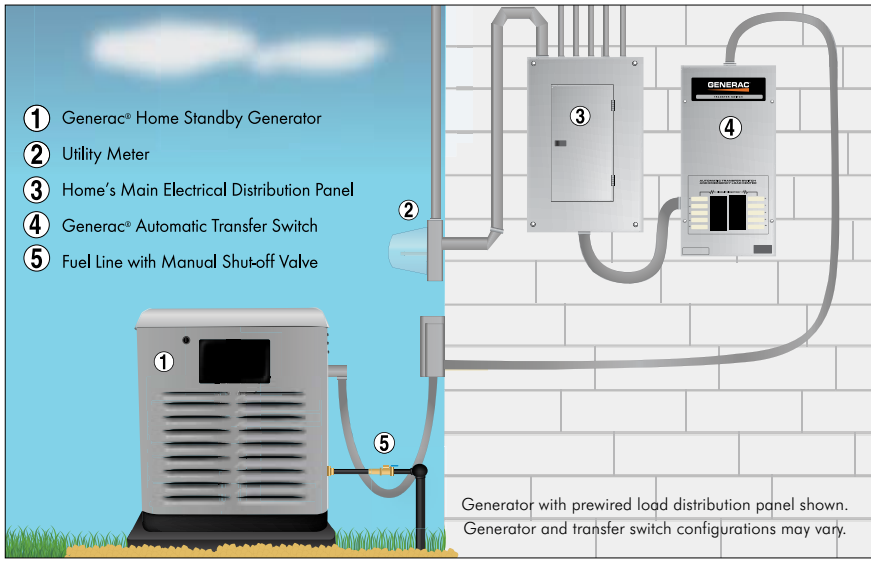
Easiest installation
Pre-wired, pre-packaged system is available.

Ultra quiet
1/3 the sound level of a portable generator.

Continuous fuel
Runs off home's LP or natural gas fuel supply.

Generac Guardian Series has earned the seal after review by the Good Housekeeping Research Institute.

Owning a Generac Guardian® Series generator is easy and affordable. Protect your family and home from damaging, dangerous power outages for about the same cost of a central air conditioning unit.



Generator with prewired load distribution panel shown. Generator and transfer switch configurations may vary.

It's easy! Unlike portable generators, permanently installed standby generators eliminate the need for extension cords and gas cans by operating on your home's existing fuel supply.

Here's how it works:

- The generator monitors incoming voltage from the utility line
- When the utility power is interrupted, the generator detects the problem and goes to work
- The automatic transfer switch safely disconnects the utility line and simultaneously connects a new power line from the generator
- Power is restored within seconds
- When utility power is restored, the generator shuts down and returns to standby mode

BACK UP ESSENTIAL CIRCUITS

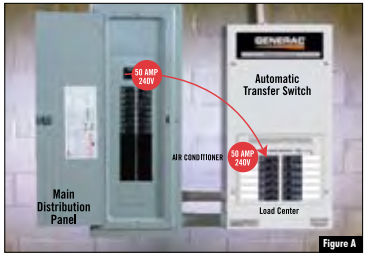


Figure A

Choose a generator to back up essential circuits or your whole house. Selecting the right generator is easy with Generac's pre-wired transfer switches.

Our pre-wired automatic transfer switch allows you to match the amp rating of each circuit breaker in your main distribution panel to the amp rating of the circuit breakers in the load center of the transfer switch. Choose the transfer switch that has the breakers needed for the selected circuits in your main distribution panel. Choose the generator model packaged with the switch.

To back up more than 16 circuits, Generac offers a variety of unbundled transfer switch options to match your power needs.

Use the following as a guide to choose your generator.

STEP 1 **Select the 120V Circuits to protect:** 120 volt circuits are normally protected by a 15 or 20 Amp rated circuit breaker.

		CIRCUIT BREAKER AMPS	
	Back Up Yes	15 Amps	20 Amps
Kitchen Lights	❑	❑	❑
Kitchen Counter Outlets	❑	❑	❑
Microwave	❑	❑	❑
Refrigerator	❑	❑	❑
Stand Alone Freezer	❑	❑	❑
Window Air Conditioner[2]	❑	❑	❑
Family Room	❑	❑	❑
Living Room	❑	❑	❑
Master Bedroom	❑	❑	❑
Bedroom 2	❑	❑	❑
Bedroom 3	❑	❑	❑
Bathroom 1	❑	❑	❑
Bathroom 2	❑	❑	❑
Garage	❑	❑	❑
Home Office	❑	❑	❑
Basement Lights/Outlets	❑	❑	❑
Furnace	❑	❑	❑
Sump Pump	❑	❑	❑
Other _____	❑	❑	❑
Other _____	❑	❑	❑

[2] Although it is not normally on a dedicated circuit, a window air conditioner may use most of the available power of the circuit the outlet is on.

CHOOSING A GENERATOR

STEP 2 **Select the 240V Circuits to protect:** Items powered by 240 volt circuits normally have amp ratings ranging from 20 to 50 Amps. 240V circuits connect in the middle and utilize two circuit breakers.

		CIRCUIT BREAKER AMPS				
	Back Up Yes	15 Amp	20 Amp	30 Amp	40 Amp	50 Amp
Central Air Conditioner[3]	❑	❑	❑	❑	❑	❑
Electric Water Heater	❑	❑	❑	❑	❑	❑
Electric Dryer	❑	❑	❑	❑	❑	❑
Electric Range	❑	❑	❑	❑	❑	❑
Well Pump	❑	❑	❑	❑	❑	❑
Garage Heater	❑	❑	❑	❑	❑	❑
Electric Heat	❑	❑	❑	❑	❑	❑
Other	❑	❑	❑	❑	❑	❑

***Note:** A qualified installer can replace breakers with lower amp rating to match your needs. (Ex: Replace a 20 Amp with a 15 Amp)

STEP 3

Total Breaker Count

A. 120V (Single circuit each)

15 Amp Breaker _____

20 Amp Breaker _____

B. 240V (Two circuits each)

*See Note

15 Amp Breaker _____

20 Amp Breaker _____

30 Amp Breaker _____

40 Amp Breaker _____

50 Amp Breaker _____

STEP 4 **Choose the systems that matches your selected circuits.**

Generator System		120 Volts		240 Volts (consists of 2 breakers)			
kW	# of breakers	15 Amp	20 Amp	20 Amp	30 Amp	40 Amp	50 Amp
8	8	5	1		1		
10	10	3	3	1	1		
14	14	4	4	1		1	1
17	16	5	5	1		1	1
20*	16	5	5	1		1	1

* Consult with your authorized installer to ensure local code compliance.

[3] A qualified electrician is recommended to assess the starting requirement for A/C units as they vary widely

BACK UP EVERYTHING

Generac's broad range of sizes allows you to choose enough protection to back up your whole house, and is capable of providing full power protection for commercial applications. Choose from the Guardian Series or premium QuietSource™ Series, or configure a custom system up to 150 kW (available in single and three-phase options with various voltages.)

Note: Warranty coverage is not available for generators that are used for prime power (main power source) in place of the existing utility power where utility power is present or in place of utility power where utility power service does not normally exist. **Standby generators are not intended to be used in life support or critical care applications.**

RESIDENTIAL SYSTEMS

GUARDIAN® SERIES

Generac's broad range of sizes allows you to choose enough protection to back up only a few essential circuits or your whole house. A Generac Guardian Series automatic standby generator is also ideal for small to medium sized businesses requiring essential circuit coverage.

- Pre-packaged with transfer switch (8-20 kW)
- Generac OHVI Engine
- True Power™ technology for sensitive electronics
- Continuous fuel with choice of LP or natural gas
- Quiet-Test low speed exercise mode on 17 & 20 kW

ESSENTIAL CIRCUIT PROTECTION 8-17 kW

Broad size range bundled with transfer switch for the easiest installation in the industry. Systems include at no extra charge:

- 100 Amp NEMA 1 (indoor rated) automatic transfer switch with load center
- 30 ft., 5 ft. and 2ft. pre-wired conduits
- Outdoor connection box
- Flexible fuel line pigtail
- Composite mounting pad

Models include all-steel enclosures with RhinoCoat finish for weather protection. (Optional aluminum all-weather enclosure available on 17 kW.)

UP TO WHOLE-HOUSE PROTECTION 20 kW

The 20 kW model will back up the entire electrical service in many homes. Aluminum all-weather enclosure is standard. Includes:

- 200 Amp service entrance rated transfer switch
- Flexible fuel line pigtail
- Base fascia
- Composite mounting pad

To accommodate areas requiring a transfer switch meeting NEC 2008 codes, 20 kW and transfer switches are also sold separately.

THE POWER BEHIND THE PERFORMANCE

GENERAC OHVI® ENGINE

Many models feature Generac's OHVI engine, which utilizes the same type of pressurized oil lubrication used to give automobile engines long and trouble-free lives and has a significantly longer life than competitive engines – an unprecedented three to four times longer.

COMMERCIAL SYSTEMS

GUARDIAN® SERIES

LARGER RESIDENTIAL & COMMERCIAL 25-60 kW

Our larger models are capable of providing automatic standby power protection for larger homes and businesses such as restaurants, gas stations and offices.

- All-steel enclosures with RhinoCoat™ finish for weather protection
- Continuous fuel with choice of LP or natural gas
- Patented Quiet-Test™ feature reduces noise up to 50% duing the generator's weekly self test cycle
- Hour meter tracks service and maintenance intervals
- Powerful automotive-style engines
- Choose from multiple transfer switch options to complete your backup system (sold separately)

QUIETSOURCE® SERIES

LARGER RESIDENTIAL & COMMERCIAL 22-48 kW

This premium-grade generator features a high-quality automotive-style engine that runs at low speed (1800 rpm). This means a substantially quieter engine that consumes less fuel, and gives both the engine and alternator longer life. QuietSource Series models are so quiet you'll forget you own a generator until you need it, of course. They are the premium choice for 24/7 backup power protection.

- Quiet-Test low speed exercise mode
- Continuous fuel with choice of LP or natural gas
- All- weather aluminum enclosure
- UL Listed for safety and certified power ratings

COMMERCIAL SERIES

LARGER RESIDENTIAL & COMMERCIAL 25-150 kW

Generac offers liquid-cooled units that can be configured to your unique requirements. Options include:

- Single and Three phase output in a variety of voltages
- Higher power nodes
- Steel or aluminum enclosures (select units)
- Continuous fuel with choice of LP or natural gas
- Optional H-Controller with remote annunciator on 70 kW units and above
- Remote monitoring with GenLink software available on 70 kW units and above

TRANSFER SWITCHES

Generac designs and manufacturers a complete line of automatic transfer switches to meet the requirements of virtually any emergency standby application.

- Pre-wired Transfer Switch with Integrated Load Center offers a great value and simplifies the installation process with a pre-set number of circuits.
- Service Entrance Rated Switches - RTS-E with service entrance transfer switch is a cost effective option for areas not requiring an NEC 2008 rated switch, while still allowing for full 200 Amp complete whole-house coverage.
- Non-Service Entrance Rated Switches - Install with subpanel or custom installations

GenReady™ Load Center — The answer for new construction or remodeling.

Combines a 200 Amp main panel and transfer switch into one box to simplify the generator system and installation.

PowerManager™ LTS Load Shed Switch

This switch cycles off non-priority circuits when the generator approaches overload condition, allowing priority circuits to remain powered. Provides whole-house coverage.

- 100, 200, or 400 Amp
- Service entrance rated
- Meets NEC 2008 codes

ACCESSORIES

Model	Description
5636	Remote Wireless Monitor for 10-20 kW
5662	8 kW, 410cc Air-cooled Scheduled Maintenance Kit
5663	10 kW, 530cc Air-cooled Scheduled Maintenance Kit
5664	14-17 kW, 530cc Air-cooled Scheduled Maintenance Kit
5665	20 kW, 999cc Air-cooled Scheduled Maintenance Kit
5635	Air-cooled Cold Weather Kit (for models manufactured after 4/08)
5666	Fascia for 8-17 kW models

Fascia: Continues the sleek, contoured appearance and offers additional protection from ground debris.

Remote Wireless Monitor: View generator status from inside your home.

Scheduled Maintenance Kit: Ensure long life and top performace for your generator system.

Cold Weather Kit: Recommended for areas where the temperature drops below 30°F.

GP SERIES: 1800-17500 WATTS

Easy to use in a variety of applications, Generac's GP series of portable generators offers affordability and reliability. Standard features include:

- Generac OHVI® Engine on models GP7000, GP7000E, GP8000E, GP15000 and GP17500
- Hardened steel tube cradle
- Fold-down handles and never-flat wheels (except GP1800)
- Low-oil shutdown
- Hour Meter with maintenance resets (except GP1800)
- Circuit breaker protected outlets
- 2-year limited warranty

	GP1800	GP3250	GP5000	GP5500	GP6500	GP7000	GP7000E	GP8000	GP8000E	GP15000E	GP17500E
49 State Model No.	5723	5724	5622	5736	5623	5625	5626	5680	5681	5734	5735
CARB / City of LA Compliant Model No.	—	—	5698	5737	5700	—	—	—	—	—	—
CSA Compliant Model No.	5723	5724	5688	5738	5690	5693	5694	5695	5696	—	—
Running / Starting Watts	1800 / 2050	3250 / 3750	5000 / 6250	5500 / 6875	6500 / 8000	7000 / 8750	7000 / 8750	8000 / 10000	8000 / 10000	15000 / 22500	17500 / 26250
Battery Included	—	—	—	—	—	—	Yes	—	Yes	Yes	Yes
Fuel Tank Type & Size	Steel, 4.0 Gal	Steel, 4.0 Gal	Steel, 6.6 Gal	Steel, 6.6 Gal	Steel, 6.6 Gal	Steel, 8.0 Gal	Steel, 8.0 Gal	Steel, 8.0 Gal	Steel, 8.0 Gal	Resin, 16.0 Gal	Resin, 16.0 Gal
Approx. Run Time at 50%	14.5 Hours	12.5 Hours	10 Hours	10 Hours	10 Hours	11 Hours	11 Hours	11 Hours	11 Hours	10 Hours	10 Hours
Dimensions (L x W x H)	23.5 x 17 x 17.5	25.5 x 21 x 17.5	33.5 x 26.5 x 27	33.5 x 26.5 x 27	33.5 x 26.5 x 27	33.5 x 26.5 x 27.5	33.5 x 26.5 x 27.5	32.5 x 26 x 29.5	32.5 x 26 x 29.5	48.5 x 31 x 39.5	48.5 x 31 x 39.5
Approx. Product Weight	90.5	101.5	180	180	180	185	190	200	205	373	400

What is an automatic standby generator?

An automatic standby generator is a back-up electrical system that operates whether you are at home or away. Within seconds of a utility outage, it automatically supplies power by delivering electricity to your home's electrical circuits through a built-in load center. After utility power returns, the generator shuts itself off and waits for the next outage. It operates on natural gas or liquid propane gas and sits outside just like a central air conditioning unit.

What will it power?

Generators power everything from essential circuit items such as lights and small appliances to larger items including furnaces, air conditioners, well pumps, water heaters and appliances that are hard wired into your home's electrical distribution panel. Virtually anything that is powered by electricity can be backed up by a generator.

Why should I buy an automatic standby generator instead of a portable generator?

While portable generators can supply much needed back up power to your home during a utility outage, an automatic standby generator produces a higher quality of electricity. It operates automatically and runs a weekly self-test to ensure proper response to your needs. There are no extension cords to plug in and no gas tanks to fill. It responds to the outage for you, so it protects your home even when you're away. When utility power returns, the standby generator shuts itself off, so there is no need for you to monitor the unit during an outage.

What's the difference between air-cooled and liquid-cooled engines?

Air-cooled units use engines that are cooled by airflow or fans and do not have radiators and coolant systems. Generac designs and manufactures them specifically for smaller generators supplying electricity to the electrical panel circuits of your home through a built-in load center. They cover essential circuits and back-up power needs in most residential applications.

Liquid-cooled units use automotive engines for increased horsepower. They are ideal for larger requirements such as whole house power coverage, larger homes and commercial applications.

AUTOMATIC STANDBY FAQ'S

What maintenance is required?

Just like your car's engine, generators need periodic oil and filter changes. Many customers rely on Generac's maintenance kits to satisfy routine maintenance requirements. Refer to your owner's manual for routine maintenance procedures and schedules. Any authorized Generac dealer can perform routine maintenance.

How do I select a generator that's right for me?

The most accurate way is to have an electrician apply an amp meter to the circuits or appliances that will operate with emergency backup power. Measurements should be taken as the appliance starts up. That's because start up requires the greatest amount of power. For customers concerned with air conditioning, the wattage rating of the generator and its circuit breakers inside the transfer switch should be reviewed to ensure A/C startup power requirements are met.

To simplify generator selection and installation, Generac offers systems that allow you to match up essential circuits from your existing distribution panel to our pre-wired transfer switch. With our 8, 10, 14 or 16 circuit, pre-wired systems we take the guesswork out of sizing.

For liquid-cooled models, a licensed electrician must perform a site survey to determine the size and voltage of the unit to meet your backup power needs.

How long does it take to install an automatic standby generator?

Guardian Series air-cooled models, which come equipped with a comprehensive installation manual, typically take a half day or less to install. Larger models may require longer depending on site requirements. Ask your installer or refer to the installation guide on generac.com for details.

Where do I go for warranty repairs?

Any authorized Generac Service Center can perform warranty service. To locate a dealer near you at any time, please refer to the Dealer Locator on generac.com. or call the Automated Dealer Locator at 1-888-generac.

Where can I purchase parts?

Parts can be purchased through any authorized Generac dealer. See the Dealer Locator to find a dealer near you. They can also be ordered online through Order Tree at www.ordertree.com or by calling (877) 500-7499. Part numbers are located in the owner's manual.

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