

GENERAC®



Read this before you...

buy an automatic
standby generator



CONTROL YOUR POWER. YOUR LIFE.™

WHEN THE ELECTRICITY STOPS, we're wrenched back to a time when people lit lanterns for light, shoveled coal for heat and cooking, and lived without conveniences such as refrigerators, air conditioners, TVs, and the Internet. But a power outage is not merely inconvenient; it can be costly, highly stressful, even dangerous. If prolonged, it puts food at risk of spoiling, basements at risk of flooding, and pipes at risk of freezing, and threatens the lives of people whose health depends on the functioning of medical devices.

Our expectation of reliable electrical power has been undermined repeatedly as violent storms and frequent grid failures reveal the vulnerabilities of our overtaxed utilities. Fortunately, there's a solution to all this uncertainty: a Generac automatic standby generator. Not the portable kind, which has to be rolled out, fired up, and refueled

every few hours. A standby unit is permanently installed, constantly checking the flow of utility power into the house and the fitness of its own components. It automatically swings into action when needed, to ensure that your house is protected—there's nothing you have to do. With proper installation, carbon monoxide won't get into the house, "dirty power" won't fry your electronics, and you may even enjoy a drop in your homeowner's insurance.

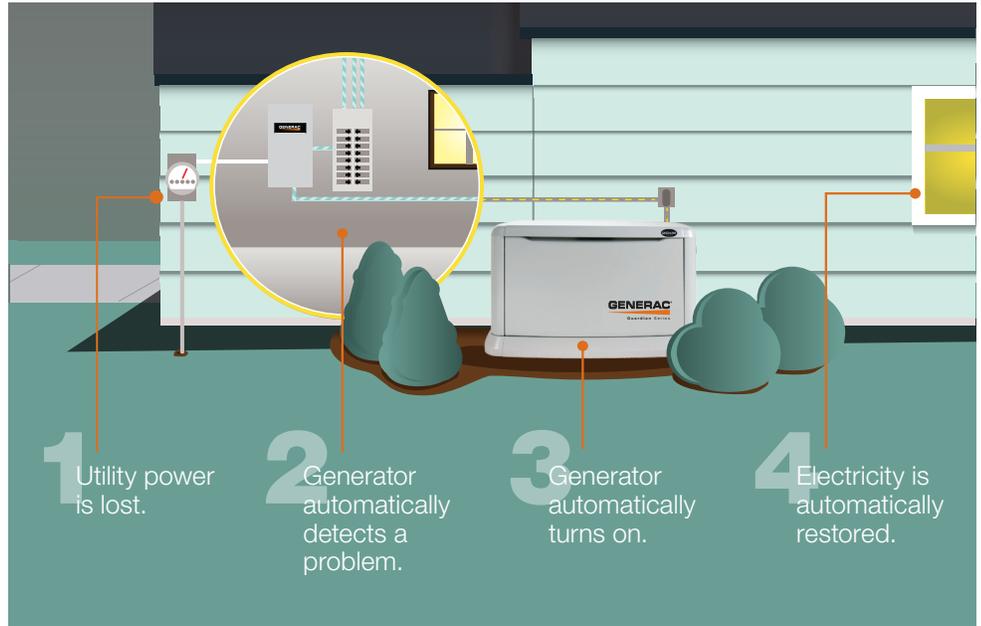
The purpose of this guide is to help you understand your choices and the critical factors that go into making a smart purchase. Then you can enjoy the chief benefit of owning a standby generator: peace of mind. Those old worries about spoiled food, stocking up on candles and flashlights, or even temporarily moving out of your house will be a thing of the past.

VITALS

INSTALL Leave this job to the professionals; Generac has an extensive dealer network that is authorized to sell and service our home standby models.

UPKEEP The oil, filters, and spark plugs need to be replaced on a regular basis. Signing a service agreement with a dealer ensures that all maintenance is performed on schedule.

WARRANTY A typical warranty covers parts and labor for three to five years. But a standby generator that's regularly maintained can easily last for 20 years, depending on how frequently it's used. A Generac Guardian Series generator comes standard with a 5 year manufacturer's warranty. And for added coverage a 5, 7 or 10 year extended warranty is available.



HOW A GENERATOR WORKS

If your power goes out, your generator comes on – automatically. It's really that simple. The generator system consists of a generator and transfer switch. The generator sits outside of your home or business just like a central air conditioner, while the transfer switch is located next to the main breaker box, and in some cases replaces it entirely.

Generator Features

-  **Generac OHVI® Engine**
Purpose-built for generators to withstand extended run times
-  **True Power™ Technology**
Utility grade power
-  **Convenient Installation**
Certified for optimal placement 18" away from a building
-  **Quiet-Test™**
Quiet operation during weekly exercise
-  **Mobile Link™**
Remote monitoring for added peace of mind **sold separately*
-  **Evolution™ Contoller**
Smart, user-friendly controls
-  **SMM Technology (Smart Management Module)**
Monitoring selected circuit and automatically supplying power where it's needed
-  **Fuel Options**
Ability to run on natural gas or LP fuel
-  **5-Year Limited Warranty**



**Some features are exclusive to certain models.*

FUEL CHOICES

- 1 > Natural gas (NG)**
The preferred fuel, when it's available. It burns clean, is inexpensive, and can supply a generator indefinitely. Line pressure will be checked by the installer to ensure it's sufficient.
- 2 > Propane (LP)**
This clean-burning fuel is stored in a pressurized outdoor tank that needs periodic refills. Commonly used when natural gas is not available.
- 3 > Diesel**
Although it's not flammable and its tank isn't pressurized, it doesn't burn as cleanly as NG or LP. If using diesel make sure the fuel is stabilized to keep it fresh.

POWER FOR EVERY BUDGET

Finding the generator that's right for you depends on your needs and your budget — not just your square footage. Generac offers the broadest line of home standby generators in the industry, so we can help you find the perfect match to protect your home.



Power it all, all the time

Most homeowners want the peace of mind that comes with whole-house coverage. Whenever there's an outage, you don't have to worry because the power stays on at all times throughout your entire home.



Smart power where you need it

Whole-house coverage may not fit every budget. With a power management system, your generator can work smarter. It protects all your home's circuits by cycling power on and off as needed for different appliances. And you decide what gets priority.



Power just the basics

Some homeowners prefer a simple, economical approach. Essential coverage protects only your most important circuits, such as lights, furnace, water heater, refrigerator/freezer and sump pump.

HOW MUCH POWER DO YOU NEED?

Decide what needs to run, then add up the watts

TO GET AN IDEA of what size generator you'll need for a whole-house or essential-circuit system, add up the number of watts used by all the electrical devices that you want to have power during an outage. Some appliances, like refrigerators and AC systems, require a surge of watts when they start, so put that higher number in the total. Now divide the total watts by 1,000 to get the total kilowatts (kW), and look for a generator rated for that output or higher. For a more interactive experience check out the online Builder My Generator Tool available on generac.com/sizer. Or leave it to the professionals and schedule a free in-home assessment with an authorized Generac dealer.

	7 kW	8 kW	11 kW	16 kW +	20 kW +	22 kW +
Air Conditioning	2-ton	3-ton	3-ton	4-ton	5-ton	5-ton
Kitchen	■	■	■	■	■	■+
Furnace	■	■	■	■	■	■
Sump Pump	■	■	■	■	■	■
Number of Bathrooms	1	1	2	3	3+	4+
Number of Bedrooms	1	2	4	5	5+	5+
Living Areas	■	■	■	■	■	■
Well Pump or Water Heater		■	■	■	■	■
Home Office			■	■	■	■
Garage			■	■	■	■



Whether you are home or away

Mobile Link™ cellular remote monitoring lets you get and share information about your home standby generator no matter where you are, using your computer, smart phone, or mobile device. View your generator's status and maintenance needs. Set its exercise schedule. Review its running and maintenance history. And get notified of status changes. The Mobile Link device can be installed in minutes. Because it sends data via cellular network, it's easier to configure and more reliable than the Ethernet and telephone connections found in many competitive remote monitoring solutions.

CHOOSING A LOCATION

To pick the perfect site, consider these factors:



Codes

In most areas, you need a permit to install a standby generator. Pay a visit to your local buildings department and become familiar with your area's requirements.

Utilities

The closer the site is to the electric meter and the natural-gas supply line, the more you'll save on installation.

Sound

A Guardian Series generator runs much quieter than a portable; especially units with a steel enclosure.

Quick, Quiet Exercise Test

Standby generators require a short run-time periodically, known as exercise, to test and ensure the system is functioning properly and ready for an emergency. The PowerPact, Guardian Series and Synergy self-test runs for only twelve minutes. Giving homeowners the ability to choose their exercise schedule - weekly, bi-weekly or monthly.

Weather/Location

When considering the location for your generator, you will want to select a stable area that is well-drained and does not flood. Keep in mind that the generator can be no closer than 3 ft to meters, air conditioning units, combustibles or anything serviceable. An authorized Generac dealer will make a recommendation during your free in-home assessment.

Generac generators can be conveniently installed at only 18" from the home, if located away from doors, windows and fresh air intakes, unless otherwise directed by local codes.

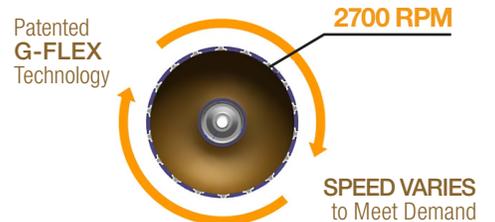
Upkeep

Leave at least 36 inches of space in front for a technician to do checkups.

SYNERGY

Protect your home with the industry's most advanced backup power technology. The Generac Synergy™ automatic home standby generator sets a new standard for quiet, efficient operation.

Most generator engines have to run at a constant speed to produce electricity, regardless of the electrical demand. Generac's patented G-Flex™ technology changes all that by allowing the engine to run only as fast as necessary to meet the electric load demand. In this sense, the Generac Synergy matches generator output to actual power needs, resulting in quiet, fuel-efficient operation. In fact, during the generator's weekly exercise, the sound output is about as much as if you were riding in a luxury car.



This innovative G-Flex technology also delivers electricity with less than 2.0% total harmonic distortion, which is actually lower than the current standard for utility power. This ensures your modern electronics and sensitive appliances are properly and evenly powered.

All in all, the Generac Synergy provides a much quieter, more fuel-efficient generator with exceptionally clean power output.

Why Choose Generac?

Founded in 1959, Generac remains the leader in home backup power. In fact, today our generators are preferred by 7 out of every 10 homeowners who invest in automatic standby power. Our product lines are also supported by a 5,000-plus nationwide dealer network that provides sales assistance, installation, service and parts.

If you're ready to invest in home backup power, the first recommendation is to schedule a free, in-home assessment with an experienced installer. Visit www.ct-electrical.com to schedule your appointment. At that time, the installer will visit your home to review your system requirements, provide equipment advice and help you navigate the installation process. You'll also get a written estimate for the generator and the cost to install.

The in-home assessment is completely free and you have no obligation to buy. It's all part of our commitment to deliver real value to you, our

customers, so you have peace-of-mind not just after your home backup power system is installed, but through every step of the process.



WHAT HAPPENS AT INSTALLATION?

The in-home assessment is complete. The contract is signed. Deposit is made. So what happens next? Well, it's time for the installation of your Generac home standby power system.

Your authorized Generac dealer will work with you to make sure the appropriate permits (site survey, electrical, plumbing, building) are completed and submitted. Depending on fuel source, it may also be necessary to upgrade your natural gas meter or liquid propane (LP) tank in which case it will need to be marked by the local underground utility locator. That, too, is something your dealer can assist with or provide subcontractor references.

For homeowners installing a whole house transfer switch as part of the installation, your dealer will also contact the utility provider to disconnect electrical service on the day of installation.

Start to finish, a typical installation takes about 8 hours. This includes preparing the site location for the base, which is most often pea gravel or cement slab. From there, installation will include: mounting the transfer switch, running conduit and wiring, and installing the fuel line. The final step to installation is having your dealer simulate an outage to make sure your new generator and transfer switch work exactly as they should in the event of a power outage.

Don't forget to discuss service and maintenance options with your dealer. And if you want to comment on the experience, you can leave feedback on Generac.com/dealer-locator.



TIP When using plantings as a screen to hide a generator, keep the foliage trimmed at least 3 feet from the front and both ends of the box and make sure overhanging branches are at least 5 feet above the top of the box.



NEVER FEEL POWERLESS

Your life revolves around power

When you invest in an automatic home standby generator, you'll get the peace of mind you deserve knowing power outages can no longer impact your life. If you're ready to take the next step or just want more information, schedule a FREE in-home assessment with Bruce Angeloszek's CT Electrical Services or call 203-723-9062. The assessment is FREE and there's no obligation to buy.

**Schedule Your FREE
In-Home Assessment Today**

www.ct-electrical.com
203-732-9052

INSTALLATION CHECKLIST FOR AN AUTOMATIC HOME STANDBY GENERATOR

You've completed the in-home assessment for a Generac standby generator. Signed a contract with an authorized Generac dealer. Made your deposit. So what happens next? Well, you are ready for your generator installation.

START DATE

	STEPS	DEALER	SUB-CONTRACTOR	HOMEOWNERS	N/A
	<p>COMPLETE PERMITS</p> <p>Your authorized Generac dealer will work with you to make sure all of the appropriate permits are completed and submitted. Additional considerations may include contacting your homeowners association. The installation cannot begin until all required permits have been issued.</p> <p>Permits include:</p> <ul style="list-style-type: none"> • Site Survey • Electrical Permit • Plumbing Permit • Building Permit 	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<p>UPGRADE FUEL SYSTEM</p> <ul style="list-style-type: none"> • Gas meter/LP tank (if required) • Contact underground utility locator 	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<p>DISCONNECT ELECTRICAL SERVICE</p> <ul style="list-style-type: none"> • Day of installation • Inspection (if required) 	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<p>INSTALL GENERATOR</p> <ul style="list-style-type: none"> • Level chosen location • Install base • Mount transfer switch • Run conduit and wiring • Install fuel line <p>Installations can vary in length depending on the complexity of the job, but the average time is 1-2 days.</p>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<p>FOLLOW UP</p> <ul style="list-style-type: none"> • Activation • Demo a simulated outage and turnover the generator keys • Fuel pressure check • Final inspection (if required) • Review service and monitoring options <p>Your installation is now complete! If you were pleased with the dealer's service, don't forget to leave feedback on Generac.com/dealer-locator.</p>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Depending on the complexity of your installation, your dealer will be more specific in explaining any and all additional steps to this process.

COMPLETION DATE
