



Automatic Standby Generators | Portable Generators



Back up your home with a **Generac** generator and **never** have to worry

For over 50 years, Generac has focused primarily on power generation, and we now offer more generator solutions than any other manufacturer. This heritage has helped make us the number one choice in residential automatic standby power, chosen seven to one over the closest competition. When a customer chooses Generac, they're not just choosing protection for their home. They are also choosing peace of mind.

The broadest home generator product line means you can have the exact amount of coverage you need – ***no compromising.***

Generac's OHVI® engine is the only engine designed specifically for extended generator use – ***for reliability that's second to none.***

Automatic backup power means you're always covered – ***even if you're not home.***

Options come in liquid propane or natural gas – ***the direct hookup means never dealing with cords or gas cans again.***



“

The storm took place on April 30th, 2010, with over 17" of rain throughout the night. Around 1 a.m. we heard a loud crash outside our bedroom window. The power went out but within a few seconds we heard the Generac generator start and power was restored, so my wife and I just went back to sleep.

"The power went out, but within a few seconds we heard the Generac generator start and power was restored."

At 8 a.m. the power company came and told us the power was out in the area and that we had several trees down next to our home. He noticed we still had power and I told him we had a generator. He went to look around outside and in a few minutes returned. He told me a tree had crushed the generator but it was still running. I told him it had been running for 7 hours and he was shocked.

The power came back on and the generator went back to stand-by mode. I could not believe the damage the generator had experienced and still ran. Yes, a tree fell on it, crushing the enclosure, but it was also moved nearly two feet from the original position. The generator has been 100% reliable for over 9 years through storms and tornados and never let us down. Of course the replacement can only be a GENERAC!

Bill

Jackson, TN

”

In 2010, up to 60,000 people lost power every day. Source: Generac Power Outage Explorer



Imagine your home **without power.**

While more families have chosen a Generac home standby generator more than any other brand, they didn't all do so for the same reasons. What would your family miss during a power outage?

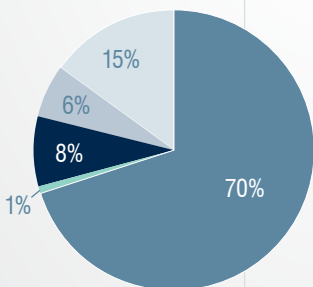
- Refrigeration/freezer – food spoilage
- Furnace – frozen pipes, heat
- Air conditioning – mold growth, comfort
- Sump pump – flooding
- Internet, cell phone chargers, tv – lose contact with the outside world
- Lighting – inside and outside
- Cooking, bathing, and washing clothes
- Charging power tools for use during the emergency and post outage cleanup
- Keeping the kids occupied with tv, video games and internet
- Monetary loss from hotel costs, eating out, personal property damage, unexpected expenses

Power outages during Hurricane Ike affected 3.8 million people. Source: PERC Extreme Weather Survey



Top causes for **power outages**.

Permanent power protection is more important than ever as unexpected power outages have become more frequent and are lasting longer. Causes range from severe weather to an overtaxed power grid.



- Weather: lightning, wind, rain, snow, heat, cold and ice
- Utility equipment problems and grid overload
- Unknown/other
- Public or animal contact
- Maintenance

Source: Generac Power Explorer

If your power goes out, your generator goes on – **automatically.**



1 Power supply to your home is interrupted.



2 Your Generac generator turns on automatically.

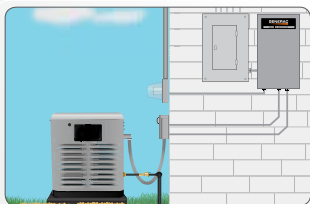


3 Power is restored within seconds.

It's really that simple.

How does it **work?**

The generator system consists of a generator and transfer switch. The generator sits outside of your home or business just like an air conditioner, while the transfer switch is located next to the main breaker box, and in some cases replaces it entirely.



An automatic standby generator works by monitoring utility voltage 24/7. When your electricity is interrupted, the generator detects the problem and goes to work. The automatic transfer switch safely disconnects the utility line and transfers to generator power. Power is simultaneously restored within seconds. Once the utility is restored, the generator returns to standby mode.

Top power outage concerns: food spoilage and maintaining outside contact. Source: PERC Extreme Weather Survey



Your system comes with **backup.**

In addition to being the number one choice of consumers, Generac automatic home standby generators are also backed by prestigious organizations and publications that recognize their reliability and value.



The Good Housekeeping Seal

The limited warranty reflected by the Good Housekeeping Seal means that if a product bearing the Seal is defective within the first two years of purchase, Good Housekeeping will replace the product or refund the purchase price.



Consumer Digest Best Buy

Generac's 17 kW steel (Model 5873) pre-packaged home standby generators were awarded the Consumers Digest Best Buy award.

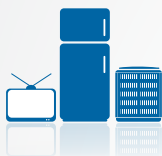


Popular Mechanics Editor's Choice Awards

Both the CorePower 7 kW and the XP Series of portable generators have been awarded the prestigious Popular Mechanic's Editor's Choice award.

Sizing a generator is based **on your needs.**

By sizing your generator according to your needs instead of your home's square footage, you won't overspend or be surprised by inadequate coverage. Generac has the solution — essential circuit coverage for the basics, managed whole-house for average coverage, and true whole-house coverage to protect it all.



Essential Circuit Coverage

Economical solutions cover the basics.

Many homeowners choose to cover only their essential circuits during an outage. Choose from options that create a simple, economical solution that keeps basics covered during an emergency.



Managed Whole-house Coverage

Load management gains more coverage from a smaller generator.

Gain up to whole-house coverage through smart power management. If it is unlikely you will turn on every appliance at the same time (most people don't), a smaller generator paired with a Generac load management switch provides whole-house coverage through a managed power solution by juggling individual appliance power requirements.



Complete Whole-house Coverage

When the power goes out, everything goes on and stays on.

Generac's full line of backup power solutions includes larger generators capable of covering every circuit in any size home for complete whole-house protection. Never wait for an appliance to take its turn being powered. When the power goes out, everything goes on and stays on — no matter how many circuits need to be backed up.

Choosing the right system.

The generator system consists of a generator and transfer switch. After identifying your requirements, use the charts below to understand which components pair together to build your perfect system.

Generator + Transfer Switch = Backup Power System

Essential Circuits (7 - 17 kW)



+ **50 Amp**
transfer switch

⇐ or ⇒



+ **EZ Switch™**
or
GenReady™
Load Center
or
RTS
Transfer Switch

Managed Whole-House (10 - 20 kW)



+ **Nexus**
Smart Switch™ or **Nexus™**
LTS Transfer Switch

Complete Whole-House (20 kW and up)



or



+

Nexus
Smart Switch™ or **RTS**
Transfer Switch



The **Heart** of Peace-of-Mind

Generac understands the rigors of generator usage, whether running for hours, days or even weeks during a power outage. We have developed robust engine solutions to ensure our generators provide the reliability necessary to power through these situations.

The Generac OHVI® Engine.

Generac's OHVI engine is the only engine designed specifically for generator use. It utilizes the same type of pressurized oil lubrication used to give automobile engines long and trouble free lives for a significantly longer life than most competitive engines – often three to four times longer. The heart of Guardian Series 8-20 kW residential generators and many Generac portable generators, it provides the reliability you need for the long run times emergency backup can require.



**Power outages cost homeowners
\$1.5 billion every year.** Source: NOAA

The #1 Name in **Home Standby Power.**

Consumers choose a Generac automatic generator not only for the proven reliability, but for the innovative features engineered with home and business owners in mind.



The Nexus Controller tracks generator functions so you don't have to.

Smart, User Friendly Controls

The Nexus™ Controller has a user-friendly, trilingual LCD display and controls for programmable diagnostics and information at-a-glance. Sophisticated codes alert you to generator status at all times, for a truly smart generator system.

Weather-Resistant Enclosure

Our RhinoCoat finish system uses a process that evenly joins paint particles to every part of the metal surface. This process allows for more consistent coverage to all surfaces for exceptional protection on not only the enclosure, but also the base frame.

Utility Grade Power

TruePower™ Technology provides clean, smooth power for the safe operation of sensitive electronics and appliances.

Remotely Monitor Your Generator System From The Comfort Of Home

Add a remote monitor and observe generator status, set operation parameters and receive maintenance info—all without leaving the comfort of your home.



Guardian Series models are quieter than the competition.

Quiet Operation

Guardian Series enclosures are lined with sound reducing foam panels for even further reduction in noise levels.

All automatic standby generators perform a weekly self-diagnostic test to validate proper operation. Quieter than the competition, only Generac's patented, programmable Quiet-Test mode is ultra-quiet.



The roof and three sides on the CorePower 7 kW remove easily without tools.

Easy Serviceability

Our generators are engineered for easy installation and serviceability. Careful thought is given to the design so maintenance components can easily be reached.

4 out of 5 homeowners choose a Generac home standby generator.

Source: Frost & Sullivan

Residential and Commercial backup systems.

The CorePower System and smaller kW Guardian Series units are perfect for covering a select number of circuits or for managed whole-house coverage for small and medium sized homes.



or



or



EcoGen Series

6 kW unit

Engineered specifically for off-grid use. Generac offers the only automatic standby generator engineered specifically for off-grid applications. The EcoGen eliminates the expense and unreliability previously associated with alternative energy backup power options, instead providing affordable, reliable, low emission, off-grid standby power.



CorePower™ Series

7 kW unit

The best value in residential standby power. The 7 kW CorePower™ system is a complete generator and transfer switch system, priced more affordably than any other generator and transfer switch package in the market. The compact design is engineered for easy maintenance and serviceability, and is ideal when space is at a premium.



Guardian® Series

8, 10, 14, 17, 20 kW units



The #1 selling home standby generator. With Generac's Guardian Series, you can ensure you have the correct amount of coverage you expect. Either match your needs to a prepackaged system or have your dealer or contractor help design the best system for you.

	EcoGen	Core Power	Guardian Series Air-Cooled				
	6	7	8	10	14	17	20
kW	6	7	8	10	14	17	20
Engine	OHVI/530cc	OHV/432cc	OHVI/410cc	OHVI/530cc	OHVI/992cc	OHVI/992cc	OHVI/999cc
QuietTest™						•	•
Enclosure Options	Steel	Composite	Steel	Steel	Steel	Steel or Aluminum	Aluminum

Larger kW units are capable of providing whole house backup for most homes. They are also ideal for many commercial applications. Ask about Generac's commercial custom generators when three phase or more than 60 kW is required.



Guardian® Series

25, 30, 45, 60 kW units

Need a little more power? The solid, reliable, increased power of a liquid-cooled engine provides whole-house protection for larger homes, and small to medium size businesses such as convenience stores, restaurants and offices.



Guardian Series Liquid-Cooled				
kW	25	30	45	60
Engine	In-line 4 cyl.	In-line 4 cyl.	In-line 4 cyl.	In-line 4 cyl.
QuietTest™	•	•	•	•
Enclosure Options	Steel	Steel	Steel	Steel



QuietSource® Series

22, 27, 36, 48 kW units

The ultimate in home protection. Premium features are standard on the ultimate standby generator. Thanks to the low-speed engine, it's so quiet you'll forget you own a generator until you need it. Ideal for large residential and small to medium commercial applications.



QuietSource Series				
kW	22	27	36	48
Engine	low-speed, In-line 4 cyl.	low-speed, In-line 4 cyl.	low-speed, In-line 4 cyl.	low-speed, V-6
QuietTest™	•	•	•	•
Enclosure Options	Aluminum	Aluminum	Aluminum	Aluminum

Automatic **Transfer Switches.**

Generac designs and manufactures a complete line of automatic transfer switches to meet the requirements of virtually any emergency standby application and codes in all areas of the country. All switches are UL 1008 Listed.



Essential Circuit Coverage

EZ Switch™ — Pre-Wired Transfer Switch

Pre-wired for the easiest installation on the market, the EZ Switch is an excellent value when whole house coverage is unnecessary.

GenReady™ Load Center

New home construction or renovations with electrical upgrades are the ideal time to install Generac's GenReady Load Center. Enjoy substantial savings on installation and a simplified generator connection system.



Load Management — Whole-House Coverage

Nexus Smart Switch™ — Digital Load Management

Load management is the way to go for homeowners because more coverage can be gained from a smaller generator. The Nexus Smart Switch allows everything in the house to run while cycling non-essential loads on and off as necessary. Engineered with Generac's Digital Load Management™ (DLM) technology, the Nexus Smart Switch has the ability to manage two air conditioners right out of the box without adding additional components or cost. Gain even more flexibility by adding individual DLM modules to manage additional large loads.

Nexus™ LTS Load Shed Switch

The Nexus LTS is the answer when more than six large loads need to be managed.

RTS Switches

The only CSA approved service rated transfer switches available in the industry.



Accessories

Nexus™ Wireless Remote Monitors

No need to go outside during inclement weather to check your generator's status. Completely wireless and battery powered, Generac's Nexus wireless remote monitor gives you instant status updates without ever leaving the house. Use with generators 8-60 kW.

ADVANCED

- A/C powered with battery back-up
- Includes cradle for desk or wall mounting
- LCD display information includes generator faults and warnings



BASIC

- Small and compact
- Magnetic back for refrigerator mounting
- Audible feature when attention is needed or battery is low



For additional accessories including maintenance and cold weather kits, batteries and more, visit **generac.com**.

Portable Generators.

Portable power when and where you need it.

Generac's line of portable generators offers affordable reliability and options for home use, camping, job site or outdoor events. Power the fun stuff or cover an emergency. The wide range of sizes gives you the flexibility to choose as much power as you need.

800-2000 Watts iX SERIES INVERTERS



Utilizing inverter technology, Generac's iX Series inverters provide clean and stable power, safe for computers and other sensitive electronic devices. Designed for

life on the road, their durable, lightweight, compact design with built-in handle offers portable power for camping, tailgating, and recreational use.

- Compact size is up to 40% lighter than a standard generator of equal watts
- 12 volt battery charging capability (except iX800)

iX Series				
Watts	800	1400	1600	2000
Engine	4-stroke OHV	4-stroke OHV	4-stroke OHV	4-stroke OHV
Runtime @ 50% load	3.6 hours	5 hours	4.9 hours	4.7 hours
Fuel tank size	0.5 gal	0.7 gal	0.8 gal	1.0 gal

1800-17500 Watts GP SERIES



With a range of power options, the GP Series has an affordable, reliable portable generator for your application.

- Hardened steel tube cradle
- Fold-down handle and never-flat wheels

GP Series								
Watts	1800	3250	5000	5500	6500	7500	15000	17500
Engine	OHV 168cc	OHV 208cc	OHV 389cc	OHV 389cc	OHV 389cc	OHV 420cc	OHV 990cc	OHV 990cc
Runtime @ 50% load	10.5 hours	9.7 hours	10 hours	10 hours	10 hours	12 hours	10 hours	10 hours
fuel tank size	3.5 gal	3.5 gal	7.2 gal	7.2 gal	7.2 gal	8.0 gal	16 gal	16 gal
Electric start available					•	•	•	•



4000-10000 Watts **XG SERIES**

The premium quality and reliable performance of the XG Series comes from Generac's OHVI® engine. Depend on this rugged unit to provide years of reliable power to your event, job site, or at home.

- Generac OHVI® engine on all models
- Illuminated control panel for improved visibility

XG Series					
Watts	4000	6500	7000	8000	10000
Engine	OHVI 220cc	OHVI 410cc	OHVI 410cc	OHVI 410cc	OHVI 530cc
Runtime @ 50% load	13 hours	13 hours	12 hours	10 hours	10 hours
Fuel tank size	4.5 gal	9 gal	9 gal	9 gal	10 gal
Electric start available			•	•	•



4000-10000 Watts **XP SERIES**

The undisputed workhorse of the portable market, professional grade XP Series portable generators are engineered specifically with contractors and construction sites in mind.

- Generac OHVI® engine on all models
- Integrated lifting eye

XP Series				
Watts	4000	6500	8000	10000
Engine	OHVI 220cc	OHVI 410cc	OHVI 410cc	OHVI 530cc
Runtime @ 50% load	9.5 hours	11 hours	10 hours	9 hours
Fuel tank size	4.7 gal	9 gal	9 gal	9.2 gal
Electric start available		•	•	•

FAQ's

Who is Generac?

Since 1959, Generac has been designing and manufacturing backup power generators for residential, commercial and industrial applications. We have grown to be the world's largest provider of residential standby generators, selling seven times as many generators as all of our competitors combined. Generac's broad product line ranges in output from 800 watts to 9 megawatts, and is available through the industry's largest network of independent generator dealers, retailers and wholesalers. Generac is a proud supporter of the Home Safety Council and its products have earned the Good Housekeeping Seal. For more information on Generac and its extensive line of backup power products, visit www.generac.com.

What is an automatic standby generator?

An automatic standby generator is a back up electrical system that operates whether you are home or away. Within seconds of an outage, it automatically supplies power directly to your home's electrical circuit breaker box. 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.

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

During a utility power outage, an automatic standby generator provides numerous advantages over a portable generator:

- The American Red Cross recommends permanently installed standby generators as a safer way to provide backup power to a home than a portable generator.
- With an automatic standby generator properly installed outside, your home is protected from deadly carbon monoxide poisoning that is a much greater risk with portable generators.
- Running on the home's natural gas or LP fuel supply, it is less expensive to run than gasoline and does not need to be refilled.
- They start automatically within seconds of a power outage, and eliminate the need to haul a portable generator outside or run extension cords throughout your home.
- They provide protection 24/7, whether you're home or away, and they turn themselves off when utility power returns, so there is no need to monitor the unit during an outage.

What is the difference between an automatic air-cooled generator and an automatic liquid-cooled generator?

The engines! Air-cooled generators come with engines that use fans to force air across the engine for cooling, while liquid-cooled generators use enclosed radiator systems for cooling, similar to an automobile. Generally, liquid-cooled engines are used on larger kW generators due to the larger engines required for higher power outputs.

How does the Generac OHVI® engine compare to air cooled engines used in other brands of standby generators?

Unlike many engines used in backup power generation, Generac OHVI engines are made specifically for generators. They are engineered to run for the long periods of time required during a severe power outage or on a job site, utilizing the same type of pressurized oil lubrication used to give automobile engines long and trouble-free lives. Generac OHVI engines have a significantly longer life than many competitive engines, making them the best investment on the market.

What's the advantage of an aluminum enclosure?

In addition to its sturdy galvalume steel enclosure with RhinoCoat™, Generac is one of the few companies to offer premium aluminum enclosures for its residential standby generators. Aluminum enclosures are naturally rust and corrosion resistant. For salt air or high humidity conditions, aluminum is highly recommended to ensure decades of worry free service.

Can an automatic standby generator replace utility service?

No...the generator fuel costs would be much more expensive than buying power from the utility company since their cost to produce electricity is divided among thousands of customers.

How do I correctly size a generator for my home?

The most logical way to determine your needs is to envision your home without power. Some outages may be short in duration, while others could last for days or weeks. What would your family miss during an outage?

With the broadest product line available, essential circuit coverage starts at only \$1799 with the Generac CorePower™ System. Other systems are available to cover virtually any application.

Essential Circuit Coverage - Generac takes the guesswork out of sizing by offering prepackaged Guardian Series generator systems. The generator is paired with a transfer switch containing a predetermined number of circuits based on the generator's kW power rating. Each circuit is directly connected to a matched circuit on the home's main circuit breaker panel, providing electricity to that specific appliance or area of the home. For example, ten circuits are supplied for the 8 kW generator. With this system, you could connect (1) lights and TV in the family room, (2) microwave and lights in the kitchen, (3) refrigerator, (4) power to the bathroom, (5) computer and home office, (6) garage door opener, (7) air conditioner, and (8) furnace.

Managed Whole House Coverage - You can get up to whole-house coverage with less generator by pairing a smaller generator with a Nexus™ load shedding switch — another prepackaged option. This creates a managed power solution where non-essential circuits are shed when the generator approaches maximum capacity. They are cycled back on when essential circuits no longer require power, so all circuits receive power at different times.

Complete Whole House Coverage - Easily cover every circuit in your home by pairing one of Generac's larger kW units and the proper transfer switch to provide full coverage. No circuit is ever left uncovered, so every appliance is available every minute.

Can I install the generator myself?

As an option, Generac offers the Guardian Series systems prepackaged and pre-wired option with comprehensive installation instructions. You could perform the simpler site preparation steps and have a professional make the electrical panel and fuel connections, or you could complete the entire installation yourself. However, for safety reasons and to ensure adherence to all local, state and national electrical codes, particularly for non pre-wired or larger systems, Generac recommends you use an authorized Generac dealer or licensed contractor.

Do they have to be maintained?

Yes, simple maintenance is required. All generators require periodic oil and filter changes to ensure maximum performance for years of reliable service. Preventative maintenance kits are available and many Generac dealers offer annual maintenance contracts for a worry-free ownership experience. Refer to the owner's manual for routine maintenance procedures and schedules.

What type of oil should I use?

An SAE rated high detergent oil that meets API Service Class SF requirements for gasoline engines, similar to your car. Refer to your owner's manual for details.

What happens if the generator gets overloaded?

Generac generators are equipped with overload protection. In the rare event of an overload, the generator's circuit breaker will trip, disconnecting the unit from the load. Simply correct the overload and reset the breaker in the generator.

I no longer have my Owner's Manual, how can I get another copy?

Owner's manuals and other technical / repair information can be downloaded from generac.com or by calling 1-888-GENERAC.

If I have a problem with my generator where do I go for help?

To find an authorized Generac Service Center for parts or service, refer to the Dealer Locator at generac.com or call the Automated Dealer Locator at 1-888-GENERAC.



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Bulletin 0193020SBY Printed in USA Rev. 07.11
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