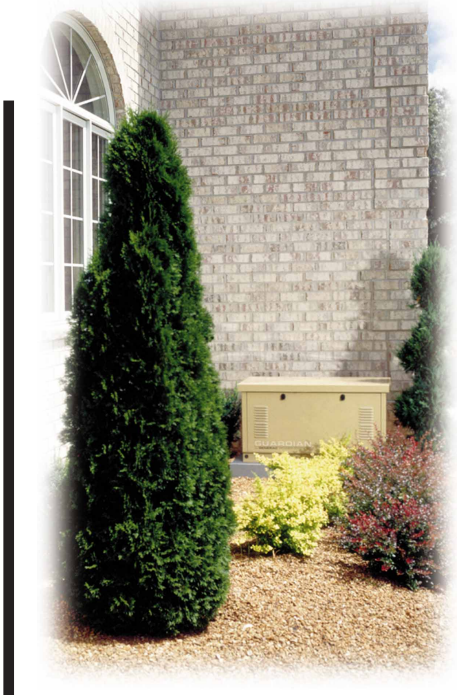
Luxury or Necessity?

Emergency electrical power for your home or business.



Or Both?

GUARDIAN
by GENERAC® POWER SYSTEMS

Luxury or necessity? ... or both?

When it comes to your security and protection, is an emergency backup power system a luxury or necessity? ... or both?

Consider the following facts:

The average home or business depends on more than 100 electrical devices that rely on utility power.

The Electric Power Research Institute reports that approximately 90 percent of all power interruptions are caused by lightning and faults (short circuits) on power distribution lines. These faults can be caused by severe weather, natural disasters, small animals, and vehicles accidentally downing power poles and lines. Destructive high winds, ice and snow compound the severity of any power interruption, and can lead to property loss or, worse yet, personal injury. In fact, even as the new millennium roles around, you are still more likely to experience a power disruption from severe weather and lightning.

Once again, when it comes to your security and protection, is an emergency backup power system a luxury or necessity? ... or both?

No matter how you look at it, Guardian is the answer.

What is an emergency power system?

The Generac Guardian emergency power system is a state-of-the-art electricity generating system designed for homes and small businesses. During a power failure, the generator starts up automatically. Within seconds, it assumes production of electricity for your home or business. You don't even have to throw a switch.

The generator is permanently installed outdoors, no more conspicuous than a central air conditioning unit. Unlike a portable generator, a Guardian emergency power system will run on liquid propane or natural gas, so it can be linked directly to your permanent fuel supply. You never need to manually fill a gasoline tank to have year-round, around-the-clock protection against power failures.

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How important is emergency power to your home and business?

Electricity is the lifeblood of your home. A power outage that lasts for only a few hours can be a terrible inconvenience. An extended power failure accompanied by storms or severe temperatures can cause flooded basements, frozen pipes, structural damage and financial hardship. Pumps, furnaces, air conditioners, security systems, lights, stoves, water heaters and refrigerators all depend on electricity to keep your home safe, secure and running smoothly.

The average American home may depend on electricity for more than 100 electrical devices. Even a short interruption in electrical service can cause a great deal of discomfort and inconvenience.

But, if you own a Generac emergency power system, you can relax. Guardian protects life and property by supplying vital electricity when you need it most.

How will Generac's Guardian emergency power system benefit you?

Generac Guardian emergency power systems are not just for homes. Because the power supply of your business needs protection as well, Generac builds these fully integrated power systems in a variety of output sizes.

A single extended power outage can deal a devastating blow to your business. Not only do the lighting, climate control and alarm systems go down in a blackout, but you lose the use of computers and office machines, UPC scanners and refrigeration systems.

Many small to medium-sized businesses are finding that Guardian emergency power systems provide the ideal backup system for their offices, clinics, stores and service operations. During a power outage, while businesses throughout the area are forced to shut down, yours will function on generator power.

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Why should you own a Generac Guardian

In the first few seconds of a power outage, Guardian powers up automatically and begins supplying electrical current to operate your sump pump, heating or air conditioning, computers, appliances and security systems. You don't even have to be there to react. Guardian emergency power systems sense the problem and react for you.

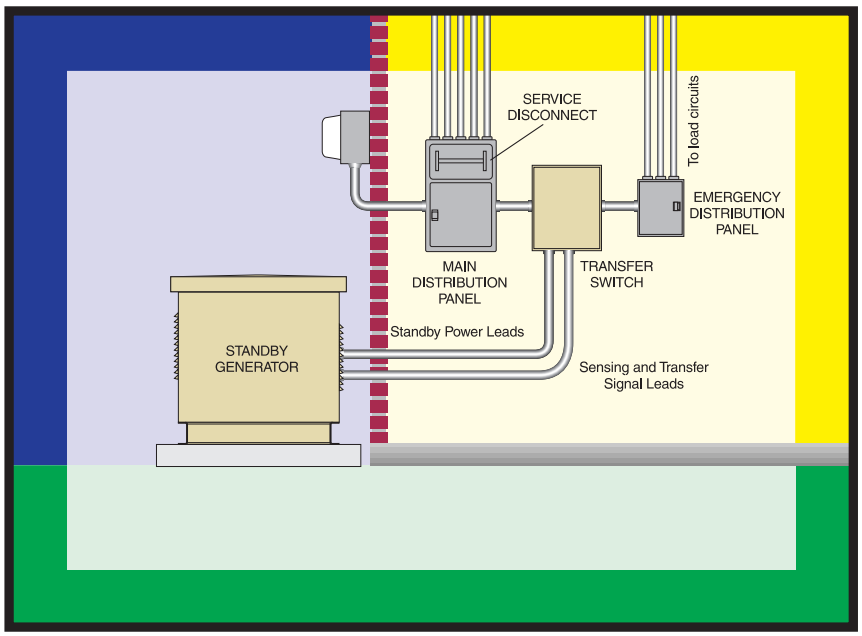
A blackout could continue for hours ... or days. For as long as the outage lasts, you can count on reliable performance from your Guardian emergency power system. And, when utility power is restored, you can depend on a smooth, safe transition back to the utility line. The transfer occurs automatically, and your Guardian emergency power system stands ready to respond to the next emergency.

How does the system work?

1. The Generac Automatic Transfer Switch monitors incoming voltage from the utility line.

2. When utility power is interrupted, the Transfer Switch senses the problem and signals the generator to begin supplying electricity.

3. The Transfer Switch automatically makes a connection between your critical loads and the Guardian generator. Quickly, smoothly, powerfully, your home's or business' critical loads are again operational.



What size system do you need?

Generac Guardian emergency power systems are available in a variety of output sizes. The size that will work best for you depends on the wattage requirements of your home or business.

Listed here are approximate running wattages for a number of household items. By adding up the ratings of all the items you wish to keep running during a power outage, then dividing by 1,000, you will arrive at an estimate of the kilowatt (kW) output you need from your Guardian emergency power system.

APPLICATION	RUNNING WATTS
Radio	50
12V DC Battery	100
Window Fan	100
Weed Trimmer	100
Jigsaw	300
Color TV	300
Clothes Dryer (gas)	400
Freezer*	500
Airless Paint Sprayer (1/2 hp)	600
Sump Pump*	600
Microwave Oven	800
1/2" Drill	1,000
Circular Saw (6-1/2")	1,000
Coffee Maker	1,200
Space Heater	1,200
Chain Saw*	1,200
Electric Skillet	1,250
Electric Range (1 element)	1,500
Furnace Fan (1/3 hp)*	1,500
Table Saw (10")	1,750
Air Compressor (1 hp)*	2,000
Air Conditioner (12,000 Btu)*	2,500
Water Heater	3,000

* Indicates a piece of equipment utilizing an induction motor (requires three to five times the listed wattage to start).

Choosing the right emergency power

air-cooled

liquid-cooled (muffler not shown)

sound-attenuated

Once you have determined the output you need from your generator and the type of fuel you wish to use (natural gas or liquid propane), you can select the Guardian emergency power system that is right for you. Additional capacity is recommended to support your electrical appliances with induction motors, which require three to five times the listed watts to start.

To ensure safe and proper installation, an authorized Generac Dealer or licensed electrical contractor is required. They will be glad to discuss installation with you and help arrange an installation quote for your specific application.

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6, 8 and 10 kW Specifications

Powerful, air-cooled overhead valve engine fueled by natural gas or LP gas.

Remote-mounted automatic transfer switch for fast and efficient unattended transfer to generator when utility current fails.

A standard weather protective enclosure protects generator from harmful weather and also reduces exterior noise levels. Includes key locks for security.

Built in charger keeps battery at optimum level.

Automatic safety shutdowns protect engine and generator in event of low oil pressure, high temperature, overspeed and overcrank.

Automatic 14-day exerciser runs the system for seven minutes biweekly to maintain top running condition.

GENERATOR SET

Model	EPS-6-AC	EPS-8-AC	EPS-10-AC
Rated Power (kW)*	6	8	10
Voltage 60 Hz	120/240V, 1ø	120/240V, 1ø	120/240V, 1ø
Amps @120/240V, 1ø 60 Hz	50.0/25.0	66.6/33.3	83.3/41.6
Engine/Alternator RPM	3600	3600	3600
Engine	410 cc 13hp OHVI Single Cyl.	724 cc 25hp OHVI V-Twin	724 cc 25hp OHVI V-Twin
Fuel	gas	gas	gas
Engine Cooling	air	air	air
Dimensions (H"x W"x D")	40 x 22 x 23	40 x 22 x 23	40 x 22 x 23
Shipping Weight (lbs.)	327	357	373

CONTROLS

Start/Stop Control	Cyclic cranking: 7 sec. on, 7 rest. 90 sec. start and cool-down min.
Automatic Low Oil Shutdown	Standard
High Temperature Shutdown	Standard
Overspeed Shutdown	Standard, 72 Hz
Overcrank Protection	Standard
Automatic Voltage Regulator w/Over-Voltage Protection	Standard
Engine Warm-up	10 seconds
Engine Cool-down	1 minute
Safety Fuse	Standard
Starter Lockout	Starter cannot re-engage until 5 sec. after engine has stopped
2-Amp Timed Trickle Battery Charger	Standard
Mode Switch	
• auto switch	Utility failure/14-day exerciser
• off switch	Stops unit. Power is removed. Control and charger still operate.
• manual/test	Start with starter control, unit stays on. If utility fails, transfer to load takes place.

*Natural gas and LP gas ratings may decrease depending on Btu content of local gas supply. Proper sizing of tank/piping is required to ensure full output.

TRANSFER SWITCH

No. of Poles	2
Current Rating (amps)	100
Voltage Rating (VAC)	250
Utility Voltage Monitor (fixed)	
Pick-up	80%
Dropout	60%
Return to Utility	appx. 13 sec.
Exerciser 7 min. biweekly	Standard
UL Approved	Standard
Dimensions (H"x W"x D")	
Non-UL Approved	- - - - -
UL Approved	20 x 15 x 5

15 and 25 kW Specifications

muffler not shown

GENERATOR SET

Model	EPS-15	EPS-25
Rated Power (kW)*	15	25
60 Hz Phase**	single/triple	single/triple
Voltage 60 Hz	120/240V 120/208V	120/240V 120/208V
Amps @120/240V, 1ø 60 Hz	125/62.5	208.3/104.2
Amps @120/208V, 3ø 60 Hz	90.3/52.1	150.5/86.8
Engine/Alternator RPM	1800	3600
Engine	1.5L OHC 4 cyl.	1.5L OHC 4 cyl.
Fuel	gas	gas
Engine Cooling	liquid	liquid
Dimensions (H″ x W″ x D″) (w/o muffler)	49 x 25 x 33	49 x 25 x 33
Shipping Weight (lbs.)	925	930

CONTROLS

Start/Stop Control	Cyclic cranking: 7 sec. on, 7 rest. 90 sec. start and cool-down min.
Automatic Low Oil Shutdown	Standard
High Temperature Shutdown	Standard
Overspeed Shutdown	Standard, 70 Hz
Overcrank Protection	Standard
Automatic Voltage Regulator w/Over-Voltage Protection	Standard
Engine Warm-up	10 seconds
Engine Cool-down	1 minute
Safety Fuse	Standard
Starter Lockout	Starter cannot re-engage until 5 sec. after engine has stopped
2-Amp Timed Trickle Battery Charger	Standard
Mode Switch	
• auto switch	Utility failure/7-day exerciser
• off switch	Stops unit. Power is removed. Control and charger still operate.
• manual/test	Start with starter control, unit stays on. If utility fails, transfer to load takes place.

Quiet, powerful liquid-cooled engine fueled by natural gas or LP gas.

A standard weather protective enclosure protects generator from harmful weather and also reduces exterior noise levels. Includes key locks for security.

Built-in charger keeps battery at optimum level.

Automatic safety shutdowns protect engine and generator in event of low oil pressure, high temperature, overspeed and overcrank.

Automatic seven day exerciser runs the system for 15 minutes each week to maintain top running condition.

Available 100 or 200-Amp remote mounted transfer switch for fast and efficient unattended transfer to generator when utility current fails.

*Natural gas and LP gas ratings may decrease depending on Btu content of local gas supply. Proper sizing of tank/piping is required to ensure full output.
** 120/208, 3ø available on specific models. Consult your local dealer for additional information. Voltage/Phase must be specific when ordering.

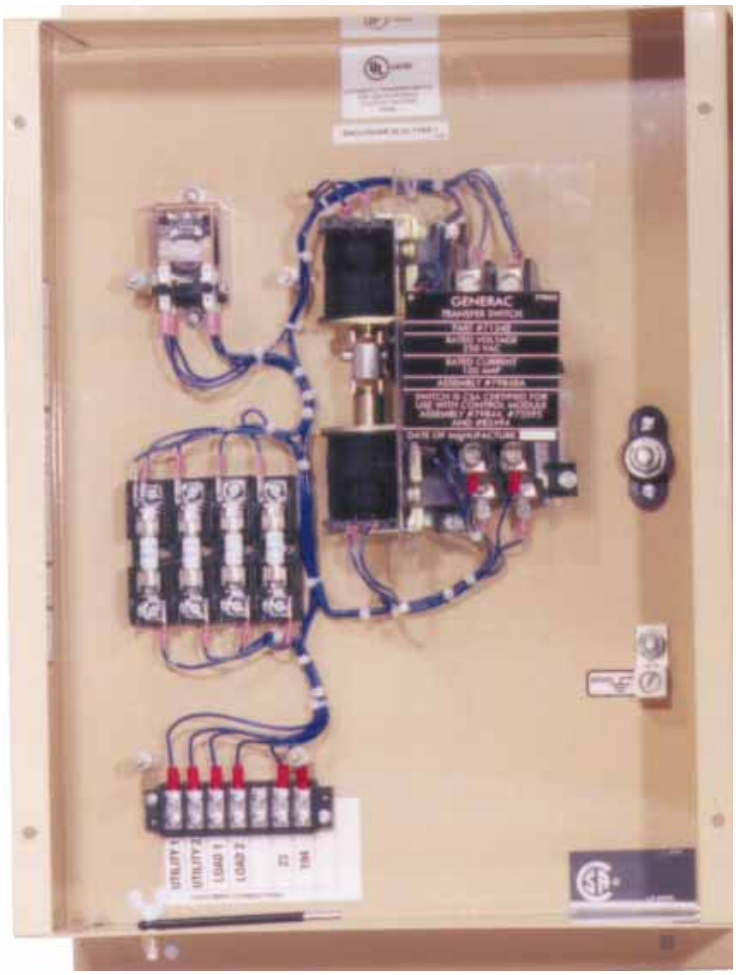
Transfer Switch Specifications

The heart of the system ...

This transfer switch is the difference between a *truly automatic* generator set and just another generator.

No toggles to flip, no knobs to turn, no extension cords to run when you lose utility power, only the comfort and peace of mind you have knowing that your GUARDIAN emergency power system does everything for you ... *automatically.*

A two pole, 100 amp UL-listed switch is standard equipment on EPS-6-AC, EPS-8-AC and EPS-10-AC.



TRANSFER SWITCH

No. of Poles	2	2
Current Rating (amps)	100	200
Voltage Rating (VAC)	250	250
Utility Voltage Monitor (fixed)		
Pick-up	80%	80%
Dropout	60%	60%
Return to Utility	appx. 13 sec.	appx. 13 sec.
Exerciser 7 min. biweekly	standard	standard
UL-Approved	standard	optional
Dimensions (H" x W" x D")		
Non-UL Approved	- - - - -	24 x 20 x 7
UL Approved	20 x 15 x 5	48 x 30 x 13

• 3 pole transfer switches are available for liquid-cooled generator sets.

Generac Power Systems ... The

STATE-OF-THE-ART FACILITIES

Corporate Headquarters - Waukesha, Wisconsin

Eagle Facility - Eagle, Wisconsin

Whitewater Facility - Whitewater, Wisconsin

Established in 1959, Generac Power Systems, headquartered in southeastern Wisconsin has become a global leader in the design and manufacture of high quality industrial and commercial power systems. Generac has quietly led the way in the development, design, and production of new and innovative products. Consistent quality, employee dedication, and customer satisfaction have enhanced Generac's reputation for innovation and performance around the world. Generac manufacturers power solutions from 3 kW to 2000 kW for industrial, residential, recreational vehicle and telecommunications applications. Complimenting our air-cooled generators is Generac's Overhead Valve Industrial Engine (OHVI). Generac's liquid-cooled generator sets feature customized gas or diesel engines providing optimal performance.

As the recognized industry leader, we believe in meeting our customers' needs by designing power solutions to match their application. This ability for product adaptation has made Generac successful in each new market it pursues. Over the last 40 years, this philosophy of exceeding customer value and performance expectations has enabled Generac to achieve exceptional and continued growth as a complete provider of power solutions.

Your local Generac Sales and Service Outlet

All Generac Guardian emergency power systems require professional installation and initial start-up procedures. Generac Power Systems, Inc. hereby disclaims any liability for property damage and/or personal injuries that may arise from any customer's failure to comply with this disclaimer.

GENERAC® POWER SYSTEMS, INC.
P.O. Box 8 • Waukesha, Wisconsin 53187 • 414/544-4811 • Fax: 414/544-0770
Visit us at our Web site: www.generac.com

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