

# Cummins **Onan**

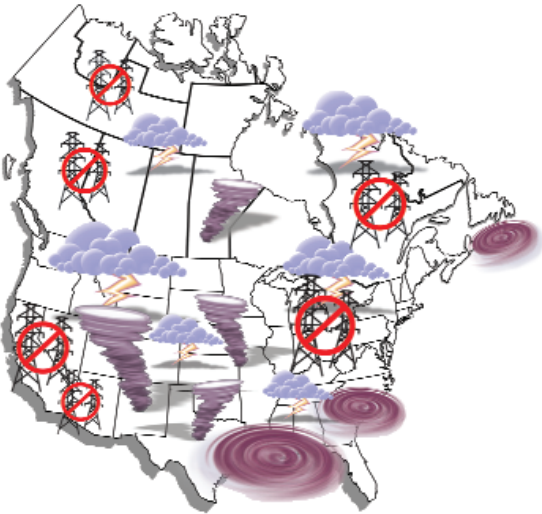
Residential Standby Generators



# Power Outages

## Who's at risk?

In addition to perennial threats from Mother Nature, a recent study conducted by the United States Department of Energy indicates that the most prevalent source of future blackouts could be overworked power grids. In the past decade, the demand for power has increased by 35% while overall capacity has only grown by 18%\*.



## Hurricanes & Tropical Storms

Full-force hurricanes and tropical storms pose a threat from coastal Texas all the way up to the Mid-Atlantic states. Areas hit especially hard may be without power for extended periods.



## Capacity

Heavily populated areas and regions experiencing fast growth may be subject to periodic brownouts and blackouts. This can happen especially when the power grid is overtaxed by the use of additional air conditioning during hot spells.



## Tornadoes & Ice Storms

Tornadoes and ice storms plague a huge portion of this country. Both can lead to widespread outages and extended outages. Cold weather can turn a minor inconvenience into a life-threatening situation.



\* Source: United States Department of Energy

# Preparation

## Hurricanes/Tropical or Ice Storms/Tornadoes

- Hurricane season of 2005 produced 28 named storms
  - Tied a record set in 1933
  - Four Category 5 storms
- Every year, about 1,000 tornadoes are reported across the United States
  - Damage paths can be in excess of one mile wide and 50 miles long

## Capacity

- Blackout on August 14th, 2003
  - 85% of New York state lost power
  - 21 major power plant shutdowns across the U.S.
- Rolling blackouts in California and throughout the southern U.S.
  - Power company imposed outages that rotated among customers in hopes of avoiding a total power failure

## Family Emergency Planning\*

- For information concerning emergency planning and preparation visit [www.cumminsonan.com](http://www.cumminsonan.com) for our Home Preparedness Brochure
  - Assemble an emergency supply kit
  - Natural disaster information
  - How to assess food spoilage

\*Additional information available at [www.ready.gov](http://www.ready.gov)

*Talk to your builder about incorporating an emergency standby generator into your electrical plan.*



# Power solution

The combination of increasing household incomes, declining prices and vivid memories of widespread power outages is driving the public's heightened awareness of the need for emergency standby power systems.

There is a solution that fits your particular power needs. From the most basic backup for a summer home to a comprehensive power source for a luxury home, one of our systems is right for you.

In addition, Cummins continues to make power systems that are affordable and easy to install.

Here are some factors to consider when purchasing your generator:

- Size of home
- Wattage requirements
- Installation
- Individual preferences
  - Full house or emergency use
  - Carefree maintenance
  - Local climate

## The New RS12000



Remote Monitoring



In Home Display/  
Load Monitor

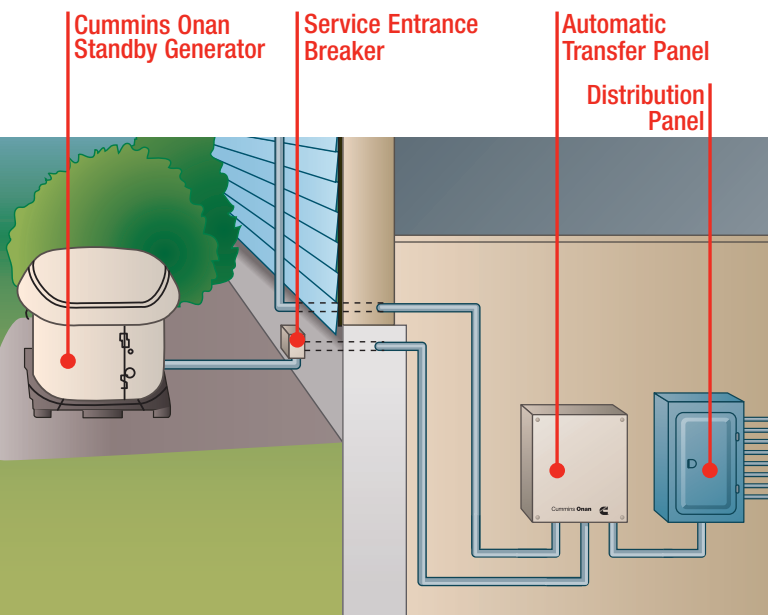


All Climate Enclosure

# How a residential standby works

All standby generators require a natural gas or LP connection and an outdoor location. Although a home standby system requires professional installation; once installed, your Cummins Onan standby generator is virtually automatic.

The generator's job is to generate power when it's told to; those instructions come from the automatic transfer switch. Within ten seconds of a power failure event, the transfer switch takes your home off its main power supply and "transfers" it to the auxiliary power supply provided by the standby generator. The distribution panel then distributes that power to the preselected appliances, equipment and lights you've identified as necessary for emergency use.



*In simple terms; the generator generates the power, the transfer switch tells it when to operate and the distribution panel determines where the power goes.*

# Choose the right standby generator for you

## RS12000 - Cost-Effective Security



The RS12000 system is sold standard with the RSS Series Transfer Switch and In-Home display.



In-Home Display



RSS Transfer Switch

### Power Ratings:

10.5 kW (Natural Gas)  
12 kW (LP)

Available in either LP  
or Natural Gas

### Dimensions:

Length: 48 in (1219 mm)  
Width: 34 in (864 mm)  
Height: 31.5 in (800 mm)

### Sound Ratings:

64 dB(A) at 23 ft (7 m),  
average

### Weight:

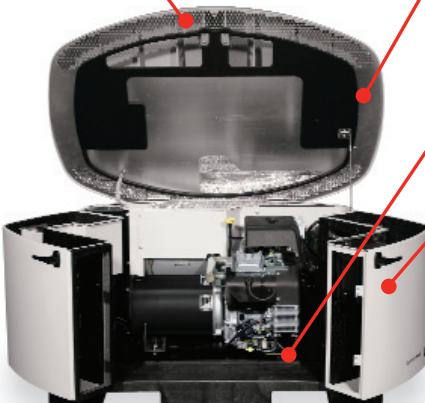
460 lbs (208.65 kg)

Durable UL Listed  
polypropylene cover

Patented airflow design  
optimizes noise levels

Mount pad with  
grounding spikes

Doors open 90° for easy  
installation and access



## RS20000 - A Powerful Resource

**Power Ratings:**

20 kW  
(LP & Natural Gas)

Available in either LP  
or Natural Gas

**Dimensions:**

Length: 85.3 in  
(2166.68 mm)  
Width: 30 in (762 mm)  
Height: 46.7 in  
(1184.89 mm)

**Sound Ratings:**

Less than 66 dB(A)  
at 23 ft (7 m), average

**Weight:**

1105 lbs (501 kg)

## RS30000 - Extensive Coverage

**Power Ratings:**

29 kW (Natural Gas)  
30 kW (LP)

Available in either LP  
or Natural Gas

**Dimensions:**

Length: 85.3 in  
(2166.68 mm)  
Width: 30 in (762 mm)  
Height: 46.7 in  
(1184.89 mm)

**Sound Ratings:**

Less than 67 dB(A)  
at 23 ft (7 m), average

**Weight:**

1300 lbs (590 kg)

## RS45000 - A Comprehensive Solution



**Power Ratings:**  
42 kW (Natural Gas)  
47 kW (LP)

Available in either LP  
or Natural Gas

**Dimensions:**  
Length: 101.5 in (2578 mm)  
Width: 41.3 in (1049 mm)  
Height: 71.8 in (1824 mm)

**Sound Ratings:**  
Less than 66.3 dB(A)  
at 23 ft (7 m), average

**Weight:**  
2668 lbs (1210 kg)

Automatic transfer panels combine reliability and flexibility in a small, economical package for transferring loads between the main power source and generator set.



### RSS Series - 100/200 Amp

**Power Ratings:**

100 or 200 Amp 124/204V, 1 phase

**Enclosure:**

NEMA 3R—All climate indoor/outdoor

- Models RSS100-6868 and RSS200-6869 Service Entrance Rated, use with RS12000 only in US
- Models RSS100-6634 and RSS200-6635 NOT Service Entrance Rated

*NOTE: Actual power requirement is dependent upon desired electrical loads. Contact your electrical professional for proper sizing. We manufacture generator sets up to 2.7 megawatts. Contact your local certified distributor/dealer for more information on these products. Professional installation required.*

# Power Load Chart

Wattage numbers are estimates. They will vary based on the wattage rating of the tool or appliance being used.

TOOL OR APPLIANCE	RUNNING WATTS (RATED)	STARTING WATTS (PEAK)
Ceiling Fan	800	1200
Central AC – 10,000 BTU†	1500	3000
Central AC – 24,000 BTU†	3800	4950
Circular Saw – 7 1/4"	1400	2300
Clock Radio	100	-
Clothes Dryer – Gas	700	1200
Coffee Maker	1500	-
Computer – 17" Monitor	800	-
Deep Freezer	700	1000
Dishwasher – Hot Dry	1500	1500
Electric Water Heater – 40 Gal.†	4000	-
Fax Machine	65	-
Furnace Fan	800	1300
Garage Door Opener	750	1200
Hair Dryer	1250	-
Hot Plate	2100	-
Inkjet Printer	80	-
Iron	1200	-
Laser Printer	950	-
Lighting	75	-
Microwave Oven – 1000 Watt	1000	-
Miter Saw – 10"	1650	2400
Oscillating Fan	200	400
Quartz Halogen Work Light	1000	-
Reciprocating Saw	1200	2000
Refrigerator/Freezer	700	1500
Security System†	500	-
Space Heater	1800	-
Stereo Receiver	450	-
Sump Pump	800	1200
Table Fan – 14"	200	400
Television – 27"	500	-
Water Well Pump – 1/3 HP (220V)†	1000	2000
Window AC – 10,000 BTU	1200	2200

Note: The wattages listed in our reference guide above are based on estimated wattage requirements. For exact wattages, check the data plate or owner's manual of the item you wish to power.

† These units are usually hard-wired and require a professionally installed transfer switch.

## How do you find the right size generator for you?

Below is an example to help you determine which generator may be best suited for your needs.

AVERAGE HOUSEHOLD NECESSITIES:	WATTS:	PEAK WATTS:
Refrigerator/Freezer	700	1500
Central A/C - 10,000 BTU	1500	3000
Lighting (Four Rooms)	300	300
Water Well Pump-1/3 HP	1000	2000

Based on the above needs, you'll need a generator with a minimum of 6.8 kW

Total: 6800

# Cummins Means Serious Power

Since 1920, Cummins has been a respected leader in power generation equipment. Cummins Onan products have set the standard in recreational vehicles, marine, residential, military and commercial applications. All generators deliver the same legendary performance and are backed by the industry's largest service network. Cummins is a global organization dedicated solely to generating serious power and servicing it.

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**Warranty Coverage for All Models Shown:**

RS12000- Standard 2 year limited warranty.

RS20000- Standard 2 year limited warranty.

RS30000- Standard 2 year limited warranty.

RS45000- Standard 2 year limited warranty. Additional 2 year options available.

See your certified dealer or distributor for details.

**Cummins Power Generation**

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