

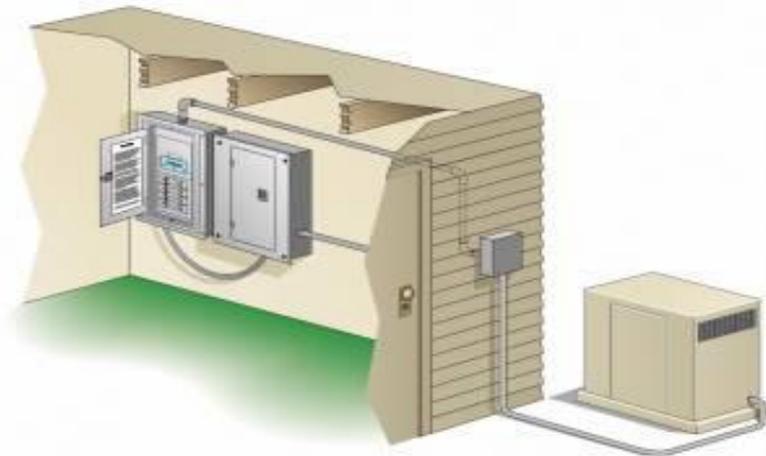
Automatic Backup Generator Systems vs. Portable Generators

These days more than ever our lives depend on power, from everyday necessities such as refrigeration, lights, heating and cooling to essentials like laundry, cooking. Today Power outages are occurring more frequently than ever and they are lasting longer. Protect yourself from unpredictable weather and unforeseen outages with a reliable standby power generator. When the power goes out, you and your home are protected 24 hours a day 7 days a week.

How does an automatic generator system work?

Standby (automatic) generators are permanently installed outside the generator utilizes a small engine to produce its own electrical power. Standby generators have an automatic transfer switch (ATS) to monitor utility power and detect when power has been lost or interrupted. When this happens the automatic transfer switch turns the generator on and supplies the necessary power, whether you're home or not and automatically shuts the generator off when the utility power is restored.

Unlike portable generators automatic standby generators operate automatically with no human intervention or effort. Unlike some equipment sitting around gathering dust in the corner of your garage, you can rest assured of your standby generators readiness. An automatic generator system starts itself each week at a predetermined day and time for a short test run which ensures that all components are always prepared and working properly ready to take over power when called upon.



What will a back-up generator do for you?

During an emergency a back up generator allows you to continue using essential appliances such as air conditioners, heaters, refrigerators as well as lights, computers and other critical items. A standby generator is powered by natural gas or liquid propane gas supply so run time is not limited by the size of a fuel tank unlike a portable generator. Stand by generators automatically power your home or business during a power outage without any effort, no refueling, no extension cords.

What size back up generator do I need?

The first step in determining what size generator you need is to decide if you want to power your whole house, essential circuits or somewhere in between. A common misconception is that one size fits all. The size of your home or business plays a big part in calculating the size of the back up generator you need.

Residential and commercial back up generator models are available from 6 – 150kw so no matter what your needs there is a generator sized to supply the power you need.

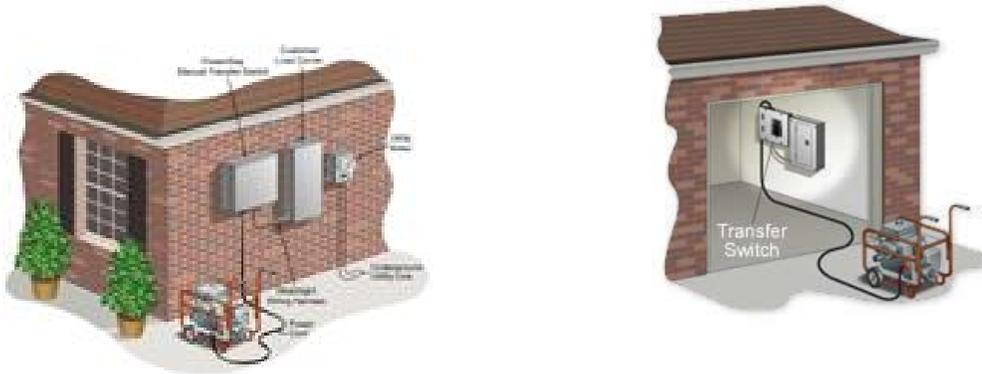
Are you prepared?

A back up generator means, never being left in the dark, a power outage can happen at any time day or night caused by anything from storms, or ice to auto accidents whatever the cause a stand by generator can be ready and waiting to keep you safe and comfortable.

Losing power for even a few hours can be more than just an inconvenience. For your home, security systems go down, refrigerated goods spoil, loss of heat could all be a major discomfort. For your business it can mean thousands of dollars in lost revenue to your business, customers are turned away. A stand by generator will keep your business open giving you a competitive advantage.

Portable Generator Systems

Portable generator systems operate very similar to the fully automatic system described above except the portable generator is not automatic. You must wheel your portable generator outside and plug in the cord to your gen set plug and manually switch from utility power to generator power and of course manually start your generator.



Both the automatic and manual have their own advantages and disadvantages of course the fully automatic system offers the convenience of leaving nothing for you to do at all, however, these automatic systems come with a price tag. The manual systems have the advantage of being far cheaper in cost, however, the disadvantage is they require you to manually set up, start and continue filling the fuel tank (not always the funniest thing to do when it's storming outside).

The end result is basically the same, however, comes down to a personal choice and budget.

To protect your home and family from electrical power outages with a stand by or portable power generator system give us a call here at A/C Electrical, Inc. we'll design a system that will fit your needs and budget.