

What are the four steps of generator installation, and how to ensure its safety?



A generator installation is a difficult job and needs to be done with major care and quite methodically, along with ensuring that the process is carried out under proper safety measures. In this blog, we will concentrate on the four steps of installation and how the installation should be done to avoid any hazards. Listed below are the steps and safety measures.

The four steps of installing a generator

[Generator installation](#) is very methodical and begins with selecting a location to, ultimately, the weekly self-testing. The installation process is carried out in four consecutive steps, which are,

- **Choosing the right location**

The best and most advisable location should be a well-drained area without water clogging and flooding. It should be 18 inches from the house, 60 inches from the door, windows and ventilation options, and 36 inches from the servicing room. Try to choose sites nearer to the electric meter and natural gas line to help cut costs.

- **Installing the generator**

After the measurements, you get your exact generator site, which needs to be prepared before the placement. The land is treated with pea gravel or concrete slab. Then, the generator is placed over that slab.

- **Establishing the fuel and electrical connection**

The next step is to connect the fuel line and the transfer switch. This switch determines the source of the electricity and when to switch over to the generator power.

- **Simulating the outage**

Lastly, the technician will check the generator's functionality for an enhanced experience and to detect malfunctions beforehand. Weekly tests will be conducted.

The necessary safety measures

A generator works with electricity; hence, critical care must be taken to avoid any explosions or other electricity-related hazards. Some of the necessary steps are as follows,

- Every generator has its own set of guidelines, so while installing a generator, ensure you maintain it.
- The surrounding area must be devoid of any debris or explosive elements.
- The checks must be done regularly to repair any damages before the matters escalate.
- The power supply during repair or servicing should always be turned off.
- Cable wiring and cords should meet the manufacturer's specifications.
- Smoking in close proximity should be strictly prohibited to avoid explosions.
- There should always be a handy fire extinguisher to be used during any fatalities. Remember not to purchase extinguishers that contain carbon tetra-chloride to avoid damaging the insulation of the wirings.
- Oil or fuel spills around the generator should be cleared often to avoid explosion.

Final Thoughts

The process of generator installation takes a lot of experience and information and also needs to be handled carefully. Hence, if you are planning for this undertaking, employing professional services is highly recommended.

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