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How long will a 10000 watt generator run

A 10 000 watt Generator will run 1 refrigerator or freezer (energy star), 1 microwave oven, 5 incandescent lights, 1 television, 1 coffee maker, 1 radio, 1 air conditioner, 1 computer, 1 monitor (LCD style), 1 printer, and 1 DVD player. What will Run on a 10 000 Watt Generator? Note information: Remember this is just one combination of appliances. You can have a different combination of items in your house, but the most important thing is that your appliances' total wattage does not exceed 10 000 watts. Maybe you only have one air conditioner or another appliance that I did not mention in my list. The easiest thing to do is to use a wattage calculator. Calculate the wattage that you need here. Can 10000 watts power a house? Yes, 10,000 watts is enough power to power most houses. It can run a number of household appliances, and some other items- even at the same time. If the total of appliances is less than 10 000 watts, it should be able to power your house. Otherwise, you may need a bigger wattage for your house. Will a 10000 watt generator run central air? Yes, a 10 000 watt generator run central air is enough to power an AC (Central) 24 000 BTU. If your Central Air is more than that, you may need to buy a higher capacity generator. Below is a wattage chart for AC Unit (AC) UnitRUNNING WATTSSTARTING WATTSAC (Window) - 10,000 BTU1500 Watts 2200 WattsAC (Central) - 10,000 BTU2200 Watts4500 WattsAC (Central) - 24,000 BTU3800 Watts 8750 Watts Here's a breakdown: Appliances Refrigerator and freezer- A fridge/freezer combo averages around 700 watts to run. If you lose power, this is one of the most important appliances to run on your generator, so your foods don't spoil.Microwave- Microwave oven wattage varies, up to about 1000 watts, This still leaves you with the option of running other items at the same time.Coffee maker- Because who can really survive without it? To brew a pot, you need about 1000 watts of power.Dishwasher- When using the hot dry setting, a dishwasher uses 1500 watts during a wash and dry cycle. Check out best 10 000 watt generator on Amazon Additional Items Window AC- Depending on the model, window air conditioner units can use between 1200 and 3250 watts. Though, you probably want to have one of these on hand during the summer months.Gaming console- Luckily, it only takes about 40 watts, to run most systems. So, you'll still have options for entertainment during a power outage.TV- Speaking of entertainment, the average power needed for a TV is about 500 watts.Computer- Still need a running PC to work? No problem! it only takes about 800 watts to run it, AND the monitor.Lights- So most light bulbs tell you their wattage, just be sure to be wise and energy-efficient when running lights on the generator. It wouldn't be recommended to run a washing machine and a dryer while running other appliances. The dryer itself takes about 5400 watts of power to dry a load of laundry. Play Appliances Chart Home Appliances Chart Work Appliances Chart Will a 10kw generator run a house? Generators are used for backup purposes in case of a power outage. There are different types of generators built to serve other purposes. For that reason, there are specific generators built to run a home. Home generators have specific watts that suit the best home appliances. Here is the best 10kw watt generator best suited to run a house.A Westinghouse wGen9500Df generator is the best 10kw watt generator for home purposes. It can run all household appliances like freezers, washing machines, fridges, ironing, among others. In case of any emergency power outage, the 10kw watt generator is the best to use. It can operate for 12 hours with remote and electric start. The 10k watt generator uses dual-fuel such that it can switch from gas to propane. It has well-built wheels that make it portable.1 amp is equal to 120 watts; hence a 10000watts generator is similar to 8.33 amps. This makes the generator ideal for home backup purposes. A Westinghouse wGen9500Df generator has 9500 rated watts to 12500 peak watts and 35.5 amps/ 120volts, making it the most robust generator. A Westinghouse wGen9500Df generator goes around \$1149 in some companies. Although different companies will quote a different price, you need to choose an affordable price for you. The 10kw generator is worth every penny since it can handle all your house purposes without regret The Westinghouse wGen9500Df generator weighs 211 lb dry unit, equivalent to 95.7kgs, and 226 lb package weight equal to 102.5kgs. It is made of heavy-duty iron, making it durable and robust. It also has a 74 DbA operating volume.Before buying a home generator, ensure that you check on all specifications like the voltage, amp, watts, coast, and machine weight. That way, you will be sure that you choose the best home generator. The Takeaway Depending on what types of household appliance you need to constantly run in your home, a 10,000-watt generator should be sufficient enough for your needs. Check out the best 10 000 watt generator on Amazon Just be sure to use power wisely, just like you would with normal electricity. Read best 10000 watts generator here. link to An Overview of Generator Sizing Calculation link to Generator vs Motor (Similarities And Differences) Handyman's World is a participant in the Amazon Services LLC Associates Program, an affiliate advertising program designed to provide a means for sites to earn advertising fees by advertising and linking to amazon.com.Imagine that you want to use a corded power tool far from a power outlet. Or that you run a small stall without access to utilities. Or that a storm hits your town and you lose electricity for half of the day or more.These are all situations in which having an engine-generator, or generator for short, can be extremely helpful.As much as a generator can be a useful piece of equipment, it is important to keep in mind that it isn't designed to run continuously for days. Instead, it's designed to run for a few hours at a time. Keep on reading this article to learn more about how long generators can run without a break, as well as how long they last.How Much Fuel Do Portable Generators Consume?To understand the limitations of how long power generators can run for continuously, it's important to first understand how much fuel these machines consume. While there are generators that use propane, natural gas, or diesel, the ones you will encounter most commonly will use gasoline. As such, that's what we will focus on in this article.The actual fuel consumption will, of course, depend on a variety of factors - mainly on how efficient the engine of the generator is, what its power output is, and how much power you are actually using.On average, however, you can expect a typical larger 5000-watt gas power generator to use between 0.6 and 0.8 gallons per hour. Smaller ones will use between 0.2 and 0.3 gallons per hour. In other words, the larger ones use anywhere between 14.5 and 20 gallons of gas per twenty-four hour period with an average load and the smaller ones roughly between 4.8 and 7.2 gallons.How Long Can a Generator Run Continuously?The need to add oil, do maintenance, and so on are all factors limiting how long a generator can run without a break. However, just like with a car engine, the main thing that limits a generator's runtime is its fuel capacity.You can simply divide the generator's fuel capacity (assuming you are starting with a full tank) by its fuel consumption rate to get its maximum runtime. In reality, the runtime will depend on how much power you use and so on, however, that formula should give you a decent estimate.In fact, in most cases, you will find the maximum runtime of a generator in the product's specs. This number is usually based on a 1/2 load - i.e. on using half of the power that the machine is capable of generating.On average, generators can run continuously for anywhere between 7.5 and 12 hours. To give you a better idea, below are some examples of actual generator models and their runtimes (in case they take multiple fuels, the numbers are applicable when using gasoline):All Power America APG2000IS: -9 hoursBriggs & Stratton 30676: -14 hoursChampion 3800-Watt Dual Fuel: -9 hoursDuroMax XP4000S: -8 hoursDuroStar DS4000S: -8 hoursRainier R2200i: -13 hoursAre There Generators That Can Run Non-Stop for 24 Hours?The vast majority of portable generators cannot run for 24 hours non-stop. Once again, the simple reason for that is the fact that their tank is too small to accommodate enough fuel for that.However, there are some generators that can run for a day without a break at 1/2 load. One of those is the Stanley 5000 Watt All Weather Generator.In addition to that, there are larger generators - mainly aimed to be used as a back-up source of power at homes - that can run for 24 hours or even longer. These are often powered by propane or natural gas as using gasoline in these would be very expensive.How Long Do Generators Last?When it comes to the lifetime of generators, there is the time that the manufacturer will guarantee the product to work for and the actual number of years you will be able to use it for.Power generators generally come with a 2- or 3-year limited warranty. And so, you will be able to use them - as long as you use them in line with the instructions provided by the manufacturer - for at least that long.In reality, however, chances are that your generator will last much longer than that. While it depends on the model as well as the average load, most portable generators will last anywhere between ten and twenty-thousand run hours.As such, if you use your generator for just 500 hours a year, for example, it could last you as long twenty to forty years. That is assuming you oil it when it needs to, maintain it regularly, and so on.On the other hand, if you run a food stall where you need to be running a generator for 8 hours a day, 7 days a week, it will likely only last you a few of years before you will need to replace it.SummaryA portable generator is an essential piece of equipment in many situations. It can help you generate power to run your tools far away from a power outlet without having to run long extension cords. And, it can help power your food stall or your house when there is a power outage. However, its runtime is limited, mostly by its fuel capacity. While there are generators designed to run longer, most of them can run for about 8 to 12 hours at a time.Their runtime is also what generally defines how long they will last you. Most commonly available portable generators can handle a lifetime runtime of anywhere between ten and twenty thousand hours at 1/2 load.That means that if you only use the generator during occasional power outages, it can last you more than a decade or two. On the other hand, if you are running your generator constantly, it will need to be replaced within just a couple of years. In either case, before buying a new generator, make sure to check this list of reasons why it won't start.Featured photo courtesy of Alex Borland.

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