

## WHAT SIZE GENERATOR DO YOU NEED?

When calculating the “size” of generator you need, there are two key considerations:

- Continuous Power (or running watts) is the wattage required for operation of your appliances under normal load.
- Extra Peak Power (or startup watts) is the extra wattage required for appliances at startup or when they are running at their highest levels of power consumption.

An average size home requires from 5000 to 7000 watts to power essential items.

**Step 1:** To determine your needs, total the watts for the items you would like to run simultaneously. This provides you with the number of continuous or running watts your generator must supply.

**Step 2:** Now select the largest number of starting watts assigned to the items you wish to use.

**Step 3:** Total these two numbers and this will indicate the size generator required to meet your needs.

Tools or Appliances	Running Watts	Surge Watts
Cell Phone Battery Charger	10	0
Christmas Lights (50-string, small) (RV/Camping/Tailgate)	20	0
Laptop Computer (Home/RV/Camping/Tailgate)	75	0
PDA, iPod, iPhone, Blackberry, Cell Phones	80	0
13-Inch TV (Home/RV/Camping/Tailgate)	100	0
Outdoor Buglight (RV/Camping/Tailgate)	100	0
AM/FM Radio / CD Player	100	0
20-Inch Box Fan	200	0
Video Game Console	200	0
Crockpot (Home/RV/Camping/Tailgate)	250	0
Desktop Computer	300	0
TV/DVD Combo (Home/RV/Camping/Tailgate)	300	0
Refrigerator – Dorm Size (Home/RV/Camping/Tailgate)	350	500
Food Processor/Blender (RV/ Camping/Tailgate)	350	500
Small Power Tools; Electric Drill 3/8-inch, jig saw...)	440	600
Color TV 27-Inch	500	0
Frying Pan / Skillet (Home/RV/Camping/Tailgate)	600	0
Refrigerator / Freezer	600	2200
Microwave Oven 750W	750	800
Single Element Hot Plate (Home/RV/Camping/Tailgate)	750	0
Washing Machine	750	2300
Coffee Maker (Home/RV/Camping/Tailgate)	800	0
Sump Pump	800	1400
Toaster – 2 Slot (Home/RV/Camping/Tailgate)	850	0
Furnace Fan Blower ½ HP	875	2300
Griddle/Deep Fryer (Home/RV/Camping/Tailgate)	1200	0
Toaster (Home/RV/Camping/Tailgate)	1250	0
RV Low Profile Air Conditioner, 13,500 BTU – Heating	1600	2300
Circular Saw	1500	3000
Space Heater	1800	0
Electric Range	2100	0
Electric Water Heater	4000	0
<b>TOTALS</b>		

If you have items that are not on the list, check the appliance, the product manual, or the manufacturer's Web site for the device's continuous and surge wattage. If amps are noted on the device, you can calculate watts by multiplying amps times the voltage. For example, a 7 amp device on 120v AC current would equal 840 watts (7 x 120 = 840).