



What size generator do you need?

The generator size that fits your need depends on the number of devices that you would consider running in a backup power scenario, and how much power each device would use. Below is a chart that can be used to estimate how much power you might need.

1 Determine the devices you want to power at once

2 Notate the running watts and starting watts for each device

3 Select the device with the highest starting watts and add that to the total running watts for all devices to determine the wattage requirement

Example:

Device	Running Watts	Starting Watts	Generator Size
Television	400	400	Minimum starting watts for your needs
Portable Fan	40	120	
Microwave	1,000	1,000	
Total	1,440	+ 1,000 =	

In this example **2,440** starting watts are required to power all the devices

Estimated Wattage for Common Appliances

Device	Running Wattage	Starting Wattage
Television	400	400
Satellite Receiver	250	250
Refrigerator	500	1,200
Microwave	1,000	1,000
Coffee Maker	600	600
Electric Range	2,000	2,000
Computer	250	250
Slow Cooker	270	270
Portable Fan	40	120
Cell Phone Charger	25	25
Space Heater	1,500	1,500

Note: Watts listed are estimates and should be used only as general guidelines. Check actual manufacturer information for actual wattage requirements. Additionally, check with generator manufacturer to ensure your selected product will fit your needs. The total wattage assumes that devices are started intermittently.

Your Needs

Device	Running Wattage	Starting Wattage	Generator Size Required
1)			Minimum starting watts for your needs
2)			
3)			
4)			
5)			
6)			
7)			
+		=	
Total Running Watts		Total Wattage Requirement	