Generator Sizing

When purchasing a generator, it's important that you select one that is capable of meeting your energy requirements. You must match the rated output of the generator to the maximum anticipated power to be used.

This section will assist you in estimating the power requirement so you can purchase a generator that will satisfy your needs. This includes using accompanied worksheet to make a list of tools and appliances you expect to operate, as well as the approximate power requirements for each device.

Once you have the list, you can estimate the highest demand for the generator under the "worst case" conditions. With this figure, you can determine the appropriate model generator for your needs.

Take It Step-By-Step

Follow these steps when determining your energy needs:

1. Identify the wattage requirements for the tools and appliances you want to power. The required power for the tools or appliances can be found on its identification plate or in the owner's manual. If the power requirement is given in amps, multiply the amps times volts to determine the required watts.

   \[ \text{Amps} \times \text{Volts} = \text{Watts} \]

2. Add up the required watts of all the appliances and tools you expect to operate simultaneously.

3. The total watts determined in step 2 is the generator size you need. These three steps will determine the "size" generator you need.

   General guidelines shown. Your needs may vary.
### Generators

#### Light Construction

- **EF2600**

#### Heavy Construction

- **EF7200DE**
- **EF5500DE**

### Inverters

#### Light Construction and Outdoor Activities

- **EF3000iS**
- **EF2800i**
- **EF2000iSv2**

#### Heavy Construction and Backup Power Supply

- **EF6300iSDE**
- **EF4500iSE**

### Features

- **EF2600**
  - **MEETS CARB EMISSIONS REGULATIONS**
  - **VOLTMEETER PROVIDES EASY TO READ OUTPUT VOLTAGE**
  - **OIL WATCH WARNING SYSTEM**
  - **SPECIAL DESIGNED MUFFLER REDUCES THE WEIGHT AND THE NOISE**

- **EF7200DE**
  - **MEETS CARB EMISSIONS REGULATIONS**
  - **VOLTMEETER PROVIDES EASY TO READ OUTPUT VOLTAGE**
  - **OIL WATCH WARNING SYSTEM**
  - **SPECIAL DESIGNED MUFFLER REDUCES THE WEIGHT AND THE NOISE**

- **EF5500DE**
  - **MEETS CARB EMISSIONS REGULATIONS**
  - **VOLTMEETER PROVIDES EASY TO READ OUTPUT VOLTAGE**
  - **OIL WATCH WARNING SYSTEM**
  - **SPECIAL DESIGNED MUFFLER REDUCES THE WEIGHT AND THE NOISE**

### Whisper Quiet Clean Power

- **CARB Compliant**
- **GFCI Recepticals (6300)**
- **Voltmeter Provides Easy to Read Output Voltage**
- **Oil Watch Warning System**
- **Wheels and Battery Standard**
- **Twin Bars Aids Transport and Security points**
- **Noise Block Quiet Enclosures for Pleasant Noise Quality.**

### Tough Reliable Power

- **Light Construction**
- **Heavy Construction**

### Outdoor Activities

- **EF2800i**
- **EF2000iSv2**

### Back up Power Supply

- **EF6300iSDE**
- **EF4500iSE**

### Features

- **12v DC Output and Harness**
- **GFCI Receptical (2800i)**
- **Vibration Isolators**
- **Oil Watch Warning System (2800i & 3000iS)**
- **Fuel Gauge**
- **Smart Throttle Reduces Engine RPM Based on Load Requirements**
- **Wheels Standard (3000iS)**
- **1/4 Load Run Times up to 18hrs**