



# EXTREME WEATHER

# AC WORKS™ EMERGENCY POWER

## WATTAGE IS AN IMPORTANT PART OF FACTORING YOUR EMERGENCY POWER BACKUP PLAN

### What is a Watt?

Power is a measure of the rate at which energy flows, and in electrical systems, it is measured in watts (W).

### Generators

Generators have different maximum wattages, it is possible for a generator to have a lower wattage output than the outlet it is rated for. You can still use this outlet, but it won't reach its maximum output. It will top out at the generator's max output. We recommend getting a generator with a higher output than the outlet you want to use if you need to reach its full potential.

### Transfer Switch and Inlets

Most commonly transfer switches are manual by switching your home's power to the grid or a back-up generator, with the flip of the switch. There is also an automatic transfer switch, which means just what it sounds like, it will automatically switch to generator power in the event of a power outage.

### AC WORKS™ Brand Adapters

If you already own a generator and are having a new transfer switch system installed, but they have different connections, you can still use them together with an AC WORKS™ brand adapter.

### Things to Know

The wattage into your inlet will be determined by the outlet in your generator. If the generator outlet's capable wattage is less than the female side of the adapter, then the maximum operational wattage will be the same as the outlet you are using. The maximum wattage of the adapter is printed on the adapter itself and the generator max wattage can be found on the machine.

### Plan Your Back-Up Need

Planning your home's back-up power necessity is easy. Decide what household items are desirable and which are necessary during an outage. Figure out the maximum wattage available to you with your setup or plan the wattage you will need prior to purchasing your back-up system. This will help ensure the lights are on, your food stays cold, and your house stays warm during an emergency outage. Turn this guide over to learn more about planning your backup system.

## Watts (W) = Volts (V) X Current (A)

NEED HELP?

24/7 Customer Service (414) 434-2220

Text Questions to (414) 323-3240

Email: [Info@ACConnectors.com](mailto:Info@ACConnectors.com)

To Purchase: [www.ACWORKS.com](http://www.ACWORKS.com)

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## OUTLETS MOST COMMONLY USED GENERATOR OUTLETS FOR BACK-UP POWER SYSTEMS IN YOUR HOME



### NEMA 5-20R

Household T-blade  
Straight-Blade  
15/20 Amp  
125 Volt  
2,500 Watts



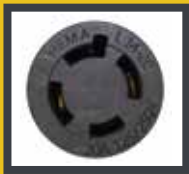
### NEMA L5-30R

3-Prong  
Locking  
30 Amp  
125 Volt  
3,750 Watts



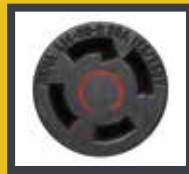
### NEMA TT-30R

Travel Trailer, Food Truck, RV  
Straight-blade  
30 Amp  
125 Volt  
3,750 Watts



### NEMA L14-20R

4-Prong  
Locking  
20 Amp  
125/250 Volt  
5,000 Watts



### NEMA L14-30R

4-Prong  
Locking  
30 Amp  
125/250 Volt  
7,500 Watts



### NEMA 14-50R

High-Power Straight-blade  
Straight-blade  
50 Amp  
125/250 Volt  
12,500 Watts

## PLANNING THE AVERAGE POWER NEEDED TO RUN TYPICAL HOUSEHOLD ITEMS DURING AN OUTAGE

APPLIANCE/ELECTRONIC	AVERAGE WATTAGE
REFRIDGERATOR	400 WATTS
PORTABLE HEATER	1500 WATTS
WINDOW A/C UNIT	1800 WATTS
SUMP PUMP	400 WATTS
MICROWAVE - AVG. RUNNING POWER	1500 WATTS
PHONE CHARGER	7 WATTS EACH
LIGHT BULBS	60 WATTS EACH
LED BULBS	10 WATTS EACH
CENTRAL AIR CONDITIONER	4000 WATTS
COOKING RANGE 40 AMP (STOVE & OVEN USE)	10,000 WATTS ENTIRE APPLIANCE IN USE
CLOTHES DRYER	4000-5000 WATTS
49" LED TV	85 WATTS EACH
COMPUTER	100-450 WATTS LAPTOP/DESKTOP
CLOCK RADIO	30 WATTS EACH
WIFI ROUTER	15 WATTS EACH

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