

Frequently Asked Questions



“Over 16 billion dollars of electricity is unusable energy, but is billable in the US”

– US Department of Energy




recently reported that **40-60%** of your power bill comes from heating and cooling your home or business. Motors are inefficient, and consume more energy that they need. By using the *same technology your power company is using to make their energy grids more energy-efficient*, we can significantly reduce your kilowatt consumption.

When motors or appliances on your property require power, they demand energy through the wiring in your home, through the power meter, and up to the energy grid and back down through the home's wiring system again. Throughout this process, the electrical wiring in your home heats up and strains the motors and wiring. This heat generated from this process is called *watts*.

The amount of watts you consume is measured at your power meter and you are billed for the watts your home or business has used. The power utility does not have the ability to tell the difference between an old inefficient refrigerator or a new energy-efficient model, other than how many kilowatts it consumes (or how many watts were demanded and measured at the meter).

By making your air conditioner, heat pump, pool/jacuzzi pump, and other motor-driven appliances and equipment more energy-efficient, you are billed less by your power provider.

Our Green Power Factor (GPF) unit recycles otherwise lost energy/watts, and releases it back to your motors, appliances, and motor-driven equipment and machinery when needed. By doing so, this recycling process *reduces* the amount of heat on your wires and the motors. Reducing this heat (kilowatts) *will lower your electricity bill*. By making your motors work more efficiently, they also run cooler, which lengthens their life.

Inductive motors that can be helped include (but are not limited to): Refrigerators, Freezers, Washers, Dryers, Ceiling Fans, Air Conditioners, Fans, Heat Pumps, Swimming Pool Pumps, Jacuzzi Pump Motors, T-12 Fluorescent Lighting Ballast, and so forth. Any motor-driven appliance, equipment, or machinery with a copper winding creates electromagnetic fields. And an extra-special feature? Our GPF unit also *doubles as a surge suppressor!* It constantly shields and protects you against power surges and spikes. 

Power utilities have been using this same technology for decades to make their energy grids more efficient, and enable them to provide service to more customers and boost their profits. Our GPF unit operates on the same technology. It reuses energy and recycles it back to your motors, so you have less kwh usage at your meter and are billed less by your utility company.

GREEN POWER FACTOR



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Transformer

The transformer is the power company's version of an inductive load on their energy grid, just like the motors and appliances on your property are your inductive loads.



High-Voltage Pole-Mount Capacitor

This is the power company's version of our GPF product. Look around your neighborhood and within just a few miles, you will probably see one of these. Utilities have used this technology for over 70 years to make their energy grid more efficient. By being more efficient, they are able to service more customers without additional equipment costs (which means larger profits).



Why would power companies spend thousands of dollars adding capacitor banks to their energy grids if this technology doesn't work?

Because it does work! They just don't want *you* to know about it. ***Why?*** Because that reduces their profits. They do have shareholders to report to, and are in business to make money, after all.

If you look in your neighborhood at the power poles, for approximately every fifty transformers, you will notice capacitor equipment similar to the one pictured above, correcting the energy grid's efficiency in your neighborhood.

Does the GPF unit interfere with my solar panel system?

Our Green Power Factor unit helps the motors in your home or business run more efficiently. When the motors on your property (Air Conditioners, Fans, Heat Pumps, Washers/Dryers, Refrigerators/Freezers) are more efficient, they will require less energy from your solar panel system. Selling electricity back to your power company?

With our product's help in making all your equipment more energy-efficient (including your power inverter), that means ***more dollars in your pocket.***

Great for:

- Washing Machines
- Dishwashers
- Swimming Pool Motors
- Clothes Dryers
- Electric Ranges
- Transformers for Electronics (ie; Cellphone, Laptops)
- Heating Systems
- Fluorescent Lighting
- Any Motor-Driven Equipment
- Air Conditioning / Fans
- Well Pumps