

Power-Save 1200™ Frequently Asked Questions

How Does the Power-Save Unit Work?

The unit provides energy savings by reducing the amount of power drawn from your utility with the use of specially designed harmonic resistant capacitors. Power-Save 1200 systems optimize your home's power factor thus reducing the amount of energy your homes motor loads use such as air conditioners, refrigerators, freezers, washers, dryers, dishwashers, pool pumps, vacuum cleaners, furnace blower motors, fans, etc. Motor loads require more energy to do their work compared to other electrical equipment in your home. The Power-Save 1200's "power factor optimization" significantly increases the efficiency of your motor load and stores waste energy resulting in decreased demand and usage of electricity from your utility company. This equates to significant cost savings for you the home owner.

Power factor is the measurement of how efficient your electrical system is using the energy delivered to your home from your utility company. For example, your stove and dryer heating coils and incandescent light bulbs have a "power factor rating" of unity or 1. This equipment converts electric energy to heat and light. Motor loads as described above can have "power factor ratings" as low as .2. This combination of electric loads in American homes results in an average "power factor rating" of .77 or less. the .77 indicates that your home is using more energy than it should to operate your electrical equipment. The Power-Save 1200 technology has a proven track record of increasing a home's "power factor rating" to .95 or better.

2. Equipment Protection

Power-Save 1200 technology provides Surge and Spike Suppression, a feature that will help protect and extend the useful life of your electrical equipment. Voltage surges and spikes come from many different internal and external sources such as utility grid changes, damaged transformers or electrical lines due to accidents or acts of God, old or out dated utility transformers that supply electrical power to your home, lightning and turning on and off major motor loads in your home. Typical homes in the United States are bombarded with literally hundreds of surges and spikes a day that damage sensitive electrical equipment over time. The external lights on the Power-Save 1200 system provide an easy visual indicator that the system is protecting your home.

3. Electrical Noise Filtration

Power-Save 1200 technology provides Harmonic Filtration which has become more important since the 1980's and almost mandatory going into the 21st Century due to the proliferation of computers, fax and copy machines and variable frequency drives which are know as "nonlinear loads". "Nonlinear loads" ask for and use electrical current in "pulses" unlike traditional electrical equipment. This pulse use of electrical current creates damaging noise, interference and heat on today's electrical systems causing interference within sensitive electrical equipment or worse causing them to overheat and fail. The use of computerized electronics within the American home has been growing at exponential rates and the need for filtering out the interference, noise and heat created by nonlinear loads has never been greater.

What is Power Factor?

Power factor is the percentage of electricity that's delivered to your house and used effectively, compared to what is wasted. For example, a 1.0 power factor means that all the electricity that's being delivered to your home is being used effectively for its purpose. However, most homes in America today have a .77 power factor or less. This means that 77% of the electricity that is coming thru your meter at your home or business is being used effectively, the other 23% is being wasted by your inductive load. With a low power factor, the utility has to deliver more electricity to do the same work. However, the Power-Save unit increases that power factor in most cases to .97 or .98, thus increasing the effective use of your electricity and lowering your usage.

Does the Power-Save 1200™ work in any home?

Yes it does, as long as you have a circuit breaker panel with breaker switches and not the old screw in type fuses, the unit will work on any single-phase electric application for homes. If you say "yes" to only **two or more** of the following then you could be saving a significant amount of money on your electric bill right now!

Is your home over 2500 Square feet?

Is your central air conditioner / heat pump unit 3 years or older?

Is your forced air furnace 3 years or older?

Do you have a pool?

Do you have a well?

Do you use an air conditioner?

Is your refrigerator / freezer not EnergyStar rated?

Do you have more than one refrigerator / freezer?

Is your washer / dryer not EnergyStar rated?

Do you have a hot tub or a jacuzzi?

Is your dishwasher not EnergyStar rated?

Do you have a number of appliances in your home?

Do you have a 3-phase Power-Save for commercial and industrial applications?

Yes!

Will the Power-Save affect any of my appliances and their normal use?

No, if anything, your motors will run about 10% cooler, which is good for a motor because heat is the enemy of a motor.

How much can I expect to save per month by using the Power-Save?

That depends on many factors. The size of your home, the amount of inductive motor load, and the amount you are paying per kilowatt-hour for electricity etc. However, generally speaking users of the product have seen up to 25% in reduced consumption, but the average savings is somewhere in the 15% to 20% range.

How long will it take for the Power-Save to pay for itself?

Generally about 6-12 months, but again, the same factors above apply, some will see sooner (6 months), some will see later (12 months).

Is the Power-Save easy to Install?

We recommend installation by an electrician. The unit comes with complete installation instructions. It installs in about 20-30 minutes.

How long will the Power-Save last?

It has a predicted lifespan of up to 20 years.

Why haven't I heard of these product until now?

That's easy, two words "cost effectiveness". Up until recently, electric rates throughout America were cheap, costing us 2, 3 or 4 cents per kilowatt-hour. Now, electric rates are 8, 10, 12, 14, and 19 and in some cases New York City is 22 cents per Kwh, and Hawaii is 33.5 cents per Kwh. At the cheaper rates the Power-Save didn't make sense, but at the current rates, it makes all the sense in the world.

What About Power-Save for Surge Protection?

The Power-Save also protects the entire home against power surges. No longer a need for so many

surge protectors in the home. The Power-Save 1200 provides a broad range of protection for hardwired appliances and most home electronics such as televisions, satellite equipment, entertainment systems, etc. The unit protects from power line surges as well as spikes caused by internal wiring problems, loose connections and fluctuating demand from large motors such as appliances, vacuum cleaners, heating and cooling equipment, etc.

Is the Power-Save 1200™ Unit Warranted? Is there a “Money Back Guarantee”?

Yes, 5 year Manufacturers Warranty for full replacement.

Yes, 60-day money back guarantee. If in 60 days, you don't see reduction in usage on your electric bill, call us and let us know, and we'll give you details on how to return the unit for a full refund of the purchase price. Installation cost will not be refunded.

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