



PURE POWER

Plug-In

Award Winning
EMF Filter

Dirty Electricity
Harmonizer

Surge
Protection



Energy
Saving

American
Made

Produce a Healthier and More Efficient EMF Free Electric System

Satic, Inc.
1500 Clark Fork Lane, Missoula MT 59808
406-493-1861

www.saticshield.com

Safeguard with EMF and EMI Filtering

The Pure Power Plug-In has Proven Health Benefits
and Works to Protect your Home.



Voted #1 EMF Filter in 2023!

The award-winning **Power Perfect** EMF filter.



What does it do?

Power Perfect harmonizes all aspects of current, **virtually eliminating** dirty electricity and harmful EMF radiation.



Has it been tested & validated?

Satic technology has been **rigorously tested and 3rd party validated** by the countries leading labs, building biologists, medical researchers and academics.



What are customers saying?

The industry's number #1 EMF filter has over 100,000 units currently serving satisfied customers with **raving 5-Star reviews**.

Powering Tomorrow's Change . . . Today

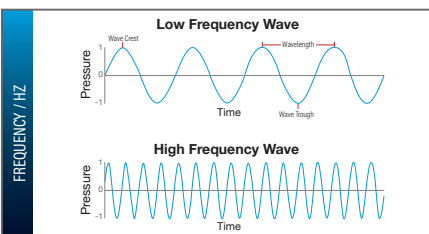
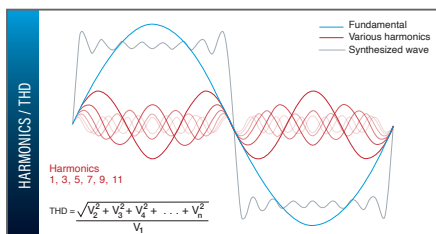
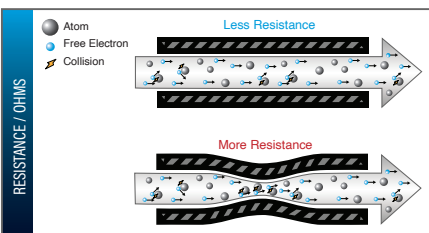
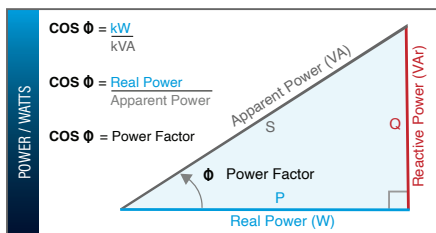
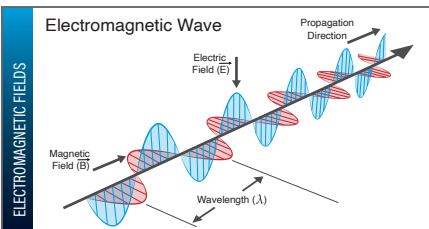
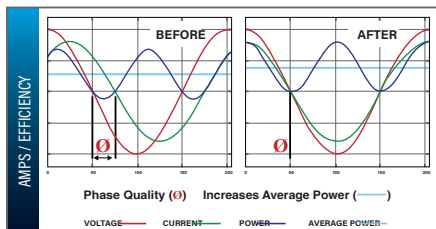
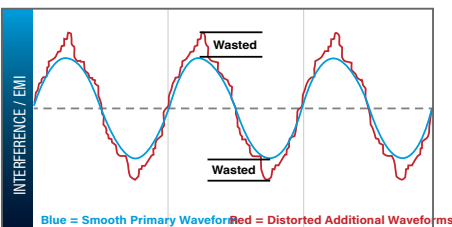
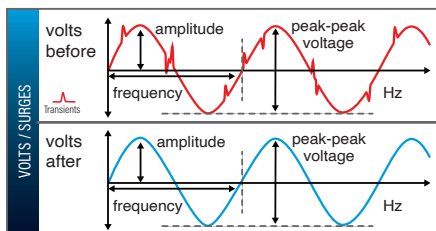
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Satic filters clean electrical service, removing harmful EMF's and dirty electricity by managing all 8 aspects of alternating current.

SAFEGUARD YOUR ELECTRONICS • EXTEND THE LIFE OF EQUIPMENT
• ELIMINATE VOLTAGE DISTORTIONS

The Pure Power Plug-in will do all this and lower your electric bill!



Powering Tomorrow's Change . . . Today

www.saticshield.com



POWER PERFECT PLUG-IN



ES120V PLUG-IN ELECTRICITY CONDITIONER

ES120V Plug-in Series Accreditations



Description /Code

Made in Montana • Made in USA • UL - E337361 - Closed Energy Management Equipment 3ZJ9 • FCC - Approved (UL Tested for Compliance) • CE - Low Voltage Directive 2006/95/EC • CE - Electromagnetic Compatibility (EMC) 2004/108/EC • RoHS - Lead Free - Restriction of Hazardous Substances

Power Perfect Plug-in {ES120V} Highlights

- 120 Volt Single Phase Electricity Conditioner
- Unit Size 5.25" x 3.75" x 2"
- Low Power Losses, < 0.5 Watts per 1000 VAR
- Operating Temperature Range of -55oC to +90oC
- General Enclosure: Plug-in Unit
- Circuit Zone Electrical Protection
- Self-healing metalized Harmonic Rectifiers
- NEMA 5-15 plug (two flat parallel blades w/ground pin)
- EMI/RFI Noise Reduction 0-50 dB
- Power Factor Compensation
- Voltage Moderation
- Robust Integrated Surge Suppression
- Electrical Harmonics Elimination (THD Reduction)
- EMF/EMR Elimination

Power Perfect Plug-in {ES120V} Characteristics

Max AC Voltage (Charge Potential)	300 Volts
Single Phase Voltages Available	120 Volts, USA (300 Volt line-to-neutral MAX)
Input Power Frequency	50/60 Hz
Current Requirements @ 120 Volts	0.85 Amps
Operating Temperature	-55°C to +90°C
Operating Humidity	5% to 95%, Noncondensing
Operating Altitude	Up to 16,000 ft (5000m)
Seismic Withstand Capability (Meet or Exceed Specifications)	IBC 2006, CBC 2007, UBC Zone 4

Harmonic Rectifier {ES120V} Circuit Qualities

Total Unit Reactive Power @ 300 V	(L1-N)	20 μ F
Per Circuit Reactive Power @ 300 V	(L1-N)	20 μ F
Reactive Bank Composition		6 PFC Modules

Harmonic Dissipations - PFC Module Specs.

Tangent of Loss Angle: $C > 1 \mu F$ at 1 kHz	$\leq 30 \times 10^{-4}$
Rated Voltage Pulse Slope (dV/dt)	150 V/ μs
RC Between Leads	>5000 s
Withstanding (DC) Voltage (Cut-off Current 10 mA)	1850 V
EMI/RMI Filtering Attenuation	Up to 50 dB from 10 kHz to 100 MHz
Protection Modes	L1-N

Surge Suppression

Voltage	(Continuous)	150	Volts _{RMS}
	(Max Clamping)	424	Volts _{DC}
		650	Volts _{RMS}
Current	(Peak Surge)	6500	Amps
	(Rating)	6500	Amps
Transient Dissipation Potential Each Circuit	(Surge Energy)	1300	Joules/ μs
Protection Modes	(Single Circuit)	L1-N	

