

WHY CHOOSE THE IPI SENTINEL? *IT'S A LOT MORE THAN JUST A SURGE PROTECTOR*

IDEAL FOR:

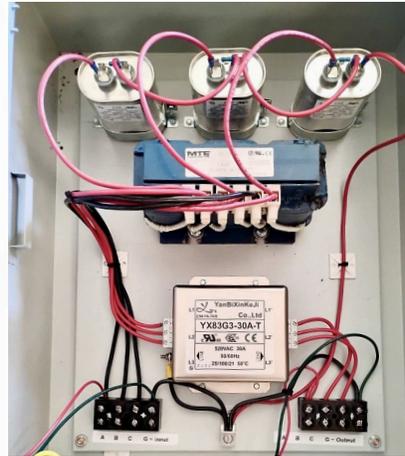
- VFD Drives
- Sensitive Electronics
- Medical Devices
- Industrial Control Systems
- Data Centers
- Telecommunications
- Military & Aerospace Applications

INSTALLATION IS SIMPLE:

1. Connect the IPI Sentinel between your power source and load.
2. Route your critical systems through the IPI's clean output.
3. Enjoy extended equipment life and reliable operation.

NOTHING LIKE IT:

- Instantaneous Response Time
- Compact & Efficient Design
- No Software Required
- Plug and Play Protect Simplicity



IPI-SENTINEL

INSTANTANEOUS POWER ISOLATION

**Protect What Matters Most With The
IPI Sentinel**

**Clean Power. Reliable Equipment.
Instantaneous Protection.
Patent Pending**

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THE PROBLEM : DIRTY POWER

All non-isolated power lines - those directly connected to local AC power grids - are vulnerable to dangerous electrical disturbances. These can damage critical equipment, cause costly downtime, and shorten system lifespan.

COMMON POWER DISTURBANCES:

- Voltage Spikes & Transients

Sudden overvoltages that can fry sensitive electronics.

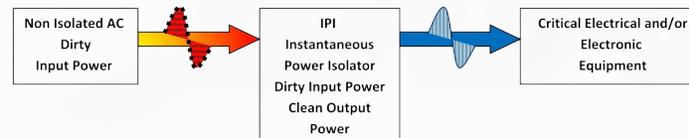
- Notches or Voids in the Voltage Waveform
- Gaps that disrupt equipment operation.

- High-Frequency AC Noise

Invisible interference that wreaks havoc on performance.

The Solution: IPI Sentinel

The IPI Sentinel (Instantaneous Power Isolator) is installed *in-line* between your dirty power source and sensitive load. It acts like a shield-- delivering **clean, stable power and protecting your critical systems** for harm.



How the IPI Sentinel Protects:

- Removes voltage spikes and transients - Stops damaging overvoltage from reaching equipment.
- Fills in waveform notches - Prevents dropouts and interruptions.
- Blocks high-frequency noise - Eliminates disruptive interference.
- Limits voltage surges and sags - Stabilizes short-term fluctuations..

HOW IT WORKS: INTELLIGENT, LAYERED FILTERING

1.) Three-Phase Inductor

- Low impedance at 60 HZ(Normal power)
- High impedance at >100 KHZ (Lighting/switching transients)
- Acts as a **frequency gatekeeper**.

2.) Shunt Capacitor

- Grounds highfrequency noise
- Creates a **programmable impedance path** for transient energy.

3.) Low-Pass Filter

- Passes clean 60 hz power.
- blocks noise and transients

4.) EMI Filter

- Final barrier to radio frequency noise
- ensures **pure sine wave output** to sensitive electronics.