



# Keep the lights on with active harmonic mitigation

AccuSine PCSn  
Part of PowerLogic



The PowerLogic AccuSine PCSn series is a scalable and flexible, high performance active harmonic filtering solution that brings reliability and efficiency to your electrical system, resulting in:

- Increased uptime
- Greater operational efficiency
- Prolonged equipment life
- Improved energy efficiency

## How do harmonics affect you?

Any electronically controlled single-phase load, such as LED lighting, generates neutral harmonic current. This excess current results in excess energy, or wasted energy, that must be supplied by the utility, meaning you pay the utility to supply more power than your system actually requires. For installations that rely heavily on this type of load, the entire installation must be oversized, demanding a higher initial investment, to account for that excess energy loss. All the excess energy on your system also wreaks havoc on your equipment, and can ultimately lead to downtime and loss of productivity.

## Did you know:

- 23% of outages originate inside facilities
- Power quality events cost 16.9 times the cost of a standard interruption
- Power quality issues can impact energy spend by 30%
- Systems with distortion levels > 5% are typically subject to penalties, and can lead to power shut off

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# PowerLogic AccuSine PCSn series active harmonic filters

Built on the award-winning AccuSine+ platform, AccuSine PCSn is specifically designed for commercial buildings, light industry, and other less-harsh environments.

## Adaptable, intelligent, and scalable

- Flexible Options: Chassis, wall, and rack mount configurations to meet any installation requirement.
- Smart commissioning: Automatic CT polarity detection and correction, intelligent paralleling algorithm saves you time through unit self-identification, system view allows commissioning of the entire system from any one unit.
- Simple Scalability: Add more AccuSine modules as your harmonic mitigation needs change with your load requirements, easily integrating new modules through intelligent paralleling capabilities.
- CE and  $cUL_{US}$  certified.



UL version

## Clean up your power

### Active Harmonic Mitigation

- Best-in-class performance to reduce THDi < 3%. Built on award-winning AccuSine+ technology, this guarantees a harmonic-free system, improving system reliability, and increasing operational efficiency and uptime.

## Only pay for what you need

### Power Factor Correction & Harmonic Mitigation

- Our Power Factor ( $\cos \phi$ ), THDi, and THDv setpoint features provide system-level visibility and control, ensuring that you comply with utility code, and that your system is running at optimal efficiency.

## Stabilize your operations

### Mains Load Balancing

- Harmonic mitigation eliminates harmonic current in the neutral. In 3-phase systems, unbalanced loads introduce current in the neutral. Applying mains load balancing function reduces neutral current to zero, resulting in a perfectly stable system.

Let us help you maximize power reliability, availability, and quality, while improving system efficiency with a fully integrated EcoStruxure™ Power solution.

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Schneider Electric Industries SAS Head Office  
35 rue Joseph Monier, 92500 Reuil Malmaison Cedex, France  
Phone: +33 (0)1 41 29 70 00  
[www.schneider-electric.com](http://www.schneider-electric.com)