



# Bring new stability and efficiency to your power network

AccuSine PCSn active harmonic filters



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# AccuSine PCSn

Your 3-phase + neutral active harmonic filter

A scalable, flexible, and high performance active harmonic solution that brings reliability and efficiency to your electrical system:

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



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# Next generation of proven innovation and performance

Built on the award-winning AccuSine+ platform, [AccuSine PCSn](#) is the new solution specifically designed for commercial buildings, light industry, and other less-harsh environments.

AccuSine PCSn delivers the performance you need. Flexible mounting options include chassis, wall, and rack configurations to meet any installation requirement.

Learn how dirty power is stealing from you. [Watch the video!](#)



## Up to 80%

of power quality disturbances are generated within a facility.

[Download our PQ eGuide](#) and learn how to meter your way to better power quality.



Discover the AccuSine PCSn

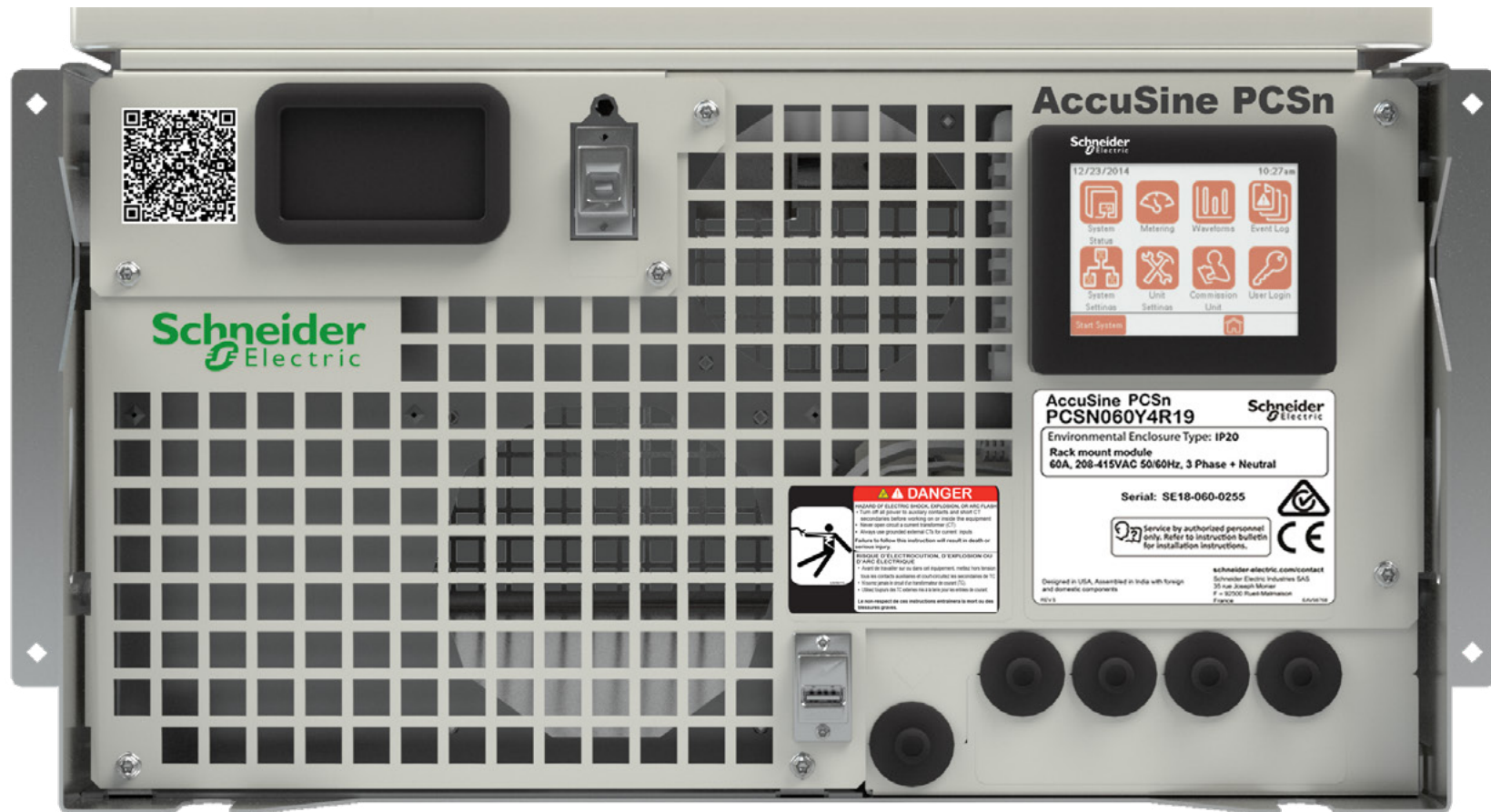


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# Explore the AccuSine PCSn

It's the culmination of decades of experience, offering unmatched levels of innovation

LEADING EDGE

MODULAR

SMART SETUP

MULTI-MODE

CONNECTIVITY



Although typical industry standards call for THDi < 5%, AccuSine PCSn best-in-class performance reduces THDi to < 3%. This guarantees a harmonic-free system, improved reliability, and increased operational efficiency and uptime.

Innovative Power Factor ( $\cos \varphi$ ), THDi, and THDv setpoint features also provide system-level visibility and control, ensuring that you comply with utility codes.

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▶ MULTI-MODE

▶ CONNECTIVITY



Adaptable and scalable, AccuSine PCSn is ready to grow with your system. You can add more AccuSine+ modules as your harmonic mitigation needs change, easily integrating new modules through intelligent paralleling capabilities.

Chassis, wall, and rack mount options are available to meet any installation requirement from industry standard enclosures to a 19" rack configuration.

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Our proprietary AccuSine+ paralleling algorithm saves you time by enabling intelligent functionality:

- Automatic CT sizing and polarity detection and correction
- Insusceptible phase rotation
- Automatic parallel ID assignment

With the AccuSine+ system view feature, you can commission the entire system from any one unit.

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Tune your AccuSine PCSn to address system needs through multiple compensation modes:

- Active Harmonic Mitigation
- Power Factor Correction
- Mains Load Balancing

Multi-mode functionality enables you to perform multiple modes either simultaneously or individually.

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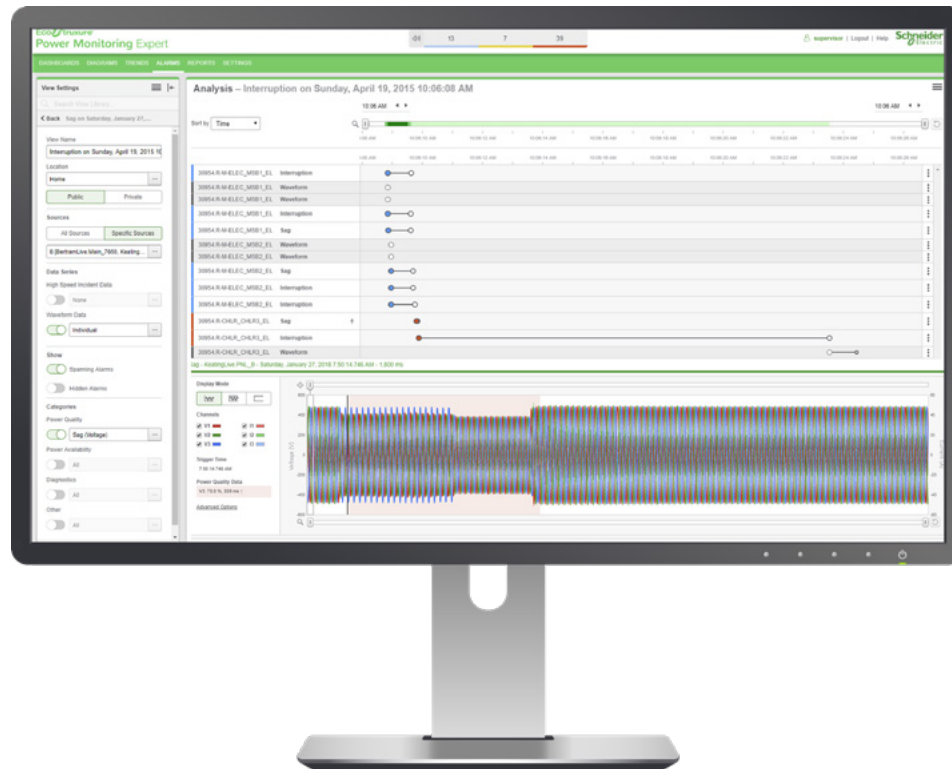
▶ LEADING EDGE

▶ MODULAR

▶ SMART SETUP

▶ MULTI-MODE

▶ CONNECTIVITY



Connect AccuSine PCSn to EcoStruxure Power software platforms to gain remote system level visibility.

Graphical event analysis through EcoStruxure Power Monitoring Expert or Com'X energy servers makes it easy to view system events in the contextual information needed to troubleshoot cause and effect.

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# Perfect for your commercial space

Designed for those who demand the very best  
in their power network performance.

Buildings

Healthcare

Food & Bev

Infrastructure

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# For Buildings

Today's commercial buildings have more non-linear loads than ever before: LED or CFL lights, computers, office loads, and variable speed drives on HVAC systems. These loads are the cause of harmonic distortion, affecting the 3-phase and neutral cables. Adverse effects of harmonics can be expensive, lead to lost of data or data corruption, and premature equipment failure.

AccuSine PCSn is perfect for non-linear loads. It mitigates harmonics in all 3-phases and neutral, plus power factor correction and mains current balancing. It can extend equipment life, and help ensure new reliability and efficiency to your electrical system.

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# For Healthcare

Facility manager and site electricians know that issues can arise from non-linear loads, inadvertent injection of harmonics, and interaction between medical equipment.

AccuSine PCSn is able to detect and prevent power incidents that could lead to patient risk and legal consequences. When integrated in EcoStruxure Power its power quality capabilities ensure your power network and its sensitive electronic loads are monitored and analyzed 24x7 for peak performance and any deviations from the ideal.

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# For Industry

Power quality issues can put your whole business at risk. It's very likely these issues are coming from within your facility. In fact, [80% of power disturbances originate from inside a power network](#). Electric motors, VSDs, lighting systems, and transformers can all have negative effects on harmonics.

AccuSine PCSn monitors currents for these disturbances and injects harmonic current to correct them. It can reduce THDi to  $< 3\%$ , to ensure your equipment maintains efficiency and operates at or below designed temperatures for a longer life.

[Discover more](#)



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# For Infrastructure

Demands for electric power today are anything but simple. New and diverse industries are appearing and their products and services require either much greater power quality, or very enhanced reliability. [Probably both.](#)

AccuSine PCSn has been thoroughly tested to ensure it can help simplify these challenges and reduce the risks. Its best-in-class harmonic mitigation improves reliability and extends equipment life while reducing operation and investment costs.

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# Take AccuSine PCSn further: EcoStruxure™ Power

AccuSine PCSn integrates with EcoStruxure Power's edge control power management and control software, and analytic services that scale to your demands and adapt to your needs.

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# Future-ready power systems

EcoStruxure Power delivers more safe, reliable and efficient power for peace of mind and significant financial benefits. IoT-enabled future-proof solutions are tailored to meet your specific needs, and simply work. Our digitized LV and MV solutions are powered by innovation at every level enabling enhanced connectivity, real-time operations and smart analytics.

IoT-connected solutions ready to improve every aspect of your electrical distribution system. Take total control with real-time data and smart analytics for predictive maintenance.



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# Learn more

This document presents general, non-binding information regarding the potential value that digitized power distribution products and solutions can bring to the user. Due to varying user situations and goals, Schneider Electric does not warranty or guarantee that the same or similar results represented in this document can be achieved. Please refer to Schneider Electric product and solution catalogs for actual specifications and performance.

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