Future Electronics Launches onsemi Power Factor Correction Campaign Featuring Free eBook for Engineers

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Summary
Future Electronics, a global leading distributor of electronic components, is pleased to announce the launch of a new digital campaign in collaboration with onsemi, designed to help engineers bring next-generation energy system innovations to life.

Message
Montreal, Canada (prsafeÂ) April 1, 2026 -Â Future Electronics, a global leading distributor of electronic components, is pleased to announce the launch of a new digital campaign in collaboration with onsemi, designed to help engineers bring next-generation energy system innovations to life. Central to the campaign is a free downloadable eBook, Mastering Power Factor Correction: From Fundamentals to Vienna Rectifiers, available to customers worldwide.
As global electrification accelerates across electric vehicle charging, energy storage, and smart automation, engineers are increasingly tasked with designing efficient, high-performance power systems. This campaign brings together expert insights and advanced semiconductor solutions from onsemi and Future Electronics to support these evolving design challenges.

The featured eBook provides a comprehensive guide to Power Factor Correction (PFC), a critical element in modern power conversion systems. It introduces foundational concepts such as real, reactive, and apparent power, while also exploring advanced PFC architectures used in both single-phase and three-phase platforms.

Engineers who download the eBook will gain practical knowledge on how to improve system efficiency and reliability, including how poor power factor affects system losses, bus stability, and grid loading. The guide also helps designers evaluate when to implement boost, totem pole, multilevel, Vienna, or six-switch topologies based on specific application requirements.

In addition, the eBook examines the tradeoffs between simplicity, efficiency, cost, and power density, offering valuable insights into optimizing design decisions. It also highlights the growing role of digital control techniques, including dq0 transformation and multi-loop regulation, in achieving near-unity power factor. Simulation-driven design approaches are also covered, enabling engineers to validate performance, stability, and losses before hardware implementation.

By combining theoretical foundations with real-world engineering considerations, Mastering Power Factor Correction empowers designers to build more efficient, reliable, and future-ready energy systems.

To access the free eBook and explore the full range of onsemi solutions available through Future Electronics, visit theÂ campaign landing page.

About Future Electronics

Founded in 1968, Future Electronics is a global leader in the electronic components industry. Future Electronics' award-winning customer service, global supply chain programs and industry-leading engineering design services have made the company a strategic partner of choice.

Headquartered in Montreal, Canada, Future Electronics operates in 159 offices across 44 countries with over 5,000 employees. Its worldwide presence powers the company's outstanding service and efficient, comprehensive global supply chain solutions. Future Electronics is globally integrated and supported by one IT infrastructure which provides real-time inventory availability and enables fully integrated operations, sales and marketing services worldwide. In 2024, Future became a WT Microelectronics company, now dual-headquartered in both Montreal, Canada and Taipei City, Taiwan.

Future Electronics' mission is always to Delight the CustomerÂ®. For more information visitÂ www.FutureElectronics.com.

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Company Statements
Boilerplate 1

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