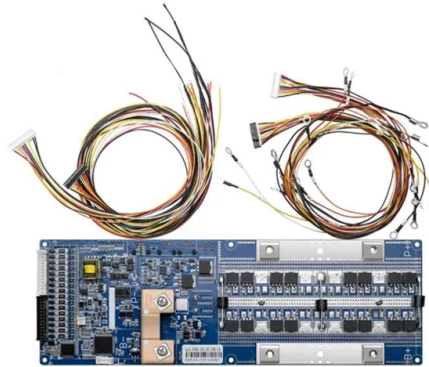


Energy-saving high-frequency switching power supply for oil and petrochemical industries



Overview

They provide high switching frequency and deliver ultra-low on-resistance ($R_{DS(on)}$) starting at just 5mohm, utilizing less than half the die size of any other technology. Available in both standard thru-hole (including Kelvin) and surface mount packages, they offer excellent. Refineries · Pipeline Control Centers · Chemical and Petrochemical Plants · Gas Processing and Booster Stations · Telecommunications · FLNG · FPSO · Fire and Gas Detection Systems · Emergency Lightning · Instrumentation and Process Control · Radio and Paging Communication · HV and MV Switchgear. High efficiency and energy saving: adopt the soft-switching technology, modular design and intelligent control technology to keep the system work in high efficiency status. Intelligent control technology: DSP digital control system, which has a series of features: constant current and voltage, real. The robust AC/DC power supply from BENNING guarantees reliable power for oil, gas and petrochemical plants. BENNING's rugged AC/DC power systems offer reliable energy solutions for critical infrastructures in the oil and gas sector. POWERING PROGRESS, SHAPING TOMORROW - We cordially invite you to. From upstream applications such as oil and gas plants and floating production storage and offloading (FPSO), to downstream refineries and gas to liquid (GTL) processes and everything in between, ABB's low and medium voltage systems offer reliable and efficient solutions, eliminating voltage. Backed by more than a century of innovation and customer service, AEG Power Solutions offers a full range of reliable, cost-effective solutions, from power conversion modules and high reliability UPS systems to industrial chargers and DC systems. This problem can be solved with EPCOS PQSine®.

Article Content

POWER SECURED FOR OIL & GAS, & PETROCHEMICAL

AEG PS provides the power solutions of choice for such demanding applications as off-shore oil & gas platforms, non-stop industrial processes, nuclear power plants, renewable energy generation, rail

Oil, Gas and Petrochemical Industry

Customized solutions and first-class customer service for maximum availability and power quality in the field of oil, gas and petrochemicals

How process electrification helps reduce emissions in

Process Domain Expert Throughout his 13 years of professional career, Damien's area of expertise has been in downstream oil and gas

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Crude oil distillation is one of the most energy-intensive processes in petroleum refining, consuming up to 20% of total refinery energy. Improving the energy efficiency of crude distillation

Modeling and Simulation of High-frequency Switching Power Supplies

These power supplies are widely used in a variety of applications, such as telecommunications, computing, automotive electronics, and renewable energy systems. The growing demand for smaller,

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ABB provides a comprehensive portfolio of power protection solutions for operators of petroleum industry plants for offshore and onshore applications. Whether the problem is sags, surges, outages,

High power and high frequency switching power supply

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Achieving effective operations in petrochemical industries using ...

This review article presents relevant information on energy consumption of various processes in petrochemical operations and also explores different strategic approaches that can be

Energy Efficiency Improvement and Cost Saving Opportunities for the ...

Energy use is also a major source of emissions in the petrochemical industry making energy-efficiency improvement an attractive opportunity to reduce emissions and operating costs.

Enhancing environmental sustainability through code

The primary objective is to optimize energy consumption, minimize emissions, and improve cost efficiency simultaneously within the petrochemical

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Whatever our customers' industry setting – onshore and offshore oil & gas, renewables, power generation, marine propulsion, water, metals, or mining – we provide solutions engineered to

Achieving effective operations in petrochemical industries using ...

Conclusively, it is recommended that industry operators, academia, government and other stakeholders should work together to make effective operations in petrochemical industries a reality

The Future of Petrochemicals – Analysis

The Future of Petrochemicals takes a close look at the consequences of growing demand for these products, and what we can do to accelerate a clean energy

Improving the Energy Efficiency of Petrochemical Plant

In particular, the higher incidence of taxation on energy costs, the effort towards energy efficiency gains realized in the public sector industries and

Improving Power Quality in the Petrochemical Industry

Various frequency converters for pumps and compressors are used in the petrochemical industry for extracting and producing oil and gas, which

Integrated Power Systems for Oil Refinery and

This perspective describes different schemes of power systems integration for various process technology in oil refining and petrochemistry with

The Design of High Frequency LLC Switching Power Supply

The combination of LLC resonant converter and GaN device can further improve the switching frequency and power density of the power supply. In order to meet the needs of power

Prospects of refinery switching from conventional to integrated: An ...

On the other hand, high demand for petrochemicals indicated a predictable growth in recent years, mainly driven by the commodity product requirement. Hence, this review critically

Energy Efficiency in Petrochemical Plants: Best

By implementing best practices and advanced technologies, petrochemical plants can significantly reduce energy consumption, lower GHG

Power Supply

Our high-performance SiC cascode JFETs deliver best-in-class switching speed, lower switching losses, and higher efficiency. They provide high switching frequency and deliver ultra-low

High and Very High Frequency Power Supplies for Industrial

The papers in this special section focuses on high and very high frequency power supplies for industry applications. In recent years, high frequency has become a developing trend for power

Power quality

ABB's Cyberex PowerBuilt is a true online double-conversion industrial UPS designed to support the continuing demand from downstream refining and

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This study reviews advancements in high-frequency converters for renewable energy systems and electric vehicles, emphasizing their role in

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The robust AC/DC power supply from BENNING guarantees reliable power for oil, gas and petrochemical plants. BENNING's rugged AC/DC power systems offer reliable energy solutions for

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