

China Top OEM Medium Voltage Switchgear Manufacturer: New Innovations From CHSH at FIEE

WENZHOU, ZHEJIANG, CHINA, June 25, 2026 /EINPresswire.com/ -- The air inside the São Paulo Expo pavilion hums with the collective energy of thousands of engineers, grid operators, and infrastructure developers. Beneath the bright industrial lights of the FIEE exhibition, the metallic gleam of high-precision equipment lines the aisles, drawing crowds to the latest advancements in electrical distribution. In one corner, technical experts lean in closely to examine the seamless welds and modular designs of the latest distribution units, discussing how these systems will power the next generation of smart cities.



It is within this professional, high-stakes environment that Shenheng Power Equipment Co., Ltd. ([CHSH](#)), a [China Top OEM Medium Voltage Switchgear Manufacturer](#), showcased its technical evolution. As a critical link in the energy chain, Medium Voltage Switchgear functions as the central nerve center for electrical circuits, housing the breakers and switches that protect and isolate equipment. These systems are indispensable for maintaining the integrity of industrial grids, ensuring that power remains stable while shielding sensitive infrastructure from unpredictable electrical faults.

The Strategic Role of Global Exhibitions in Grid Modernization

The global power sector is currently navigating a period of rapid transition, where traditional grids are being retrofitted to accommodate the demands of urbanization and renewable energy. Events like FIEE (Brazil International Power & Electronic Exhibition) serve as vital junctions for this progress, acting as a bridge between high-capacity manufacturing and regional infrastructure needs. For a medium voltage switchgear manufacturer, participating in such exhibitions is about more than display; it is an opportunity to align engineering capabilities with the specific

environmental and regulatory requirements of the South American market.

The current industry trend is leaning heavily toward decarbonization and space efficiency. This has spurred a global demand for specialized equipment, such as environmental protection gas ring main units and intelligent solid insulated switchgear. These innovations facilitate a shift away from traditional SF6 gas usage where possible, reflecting a broader commitment to sustainable development. By engaging directly with international stakeholders, manufacturers can ensure that their technical roadmaps reflect the real-world challenges of modernizing aging power networks.



Engineering Excellence in Medium Voltage Switchgear Production

At the heart of any reliable distribution network lies the technical integrity of its hardware. CHSH, established in 2001 in Yueqing City, has dedicated over two decades to perfecting the production of high and low voltage transmission equipment. As a trusted supplier to the State Grid of China, the company has developed a portfolio that emphasizes durability and modularity. Their medium voltage switchgear series, particularly the KYN28-12 and KYN28-24 models, represent the gold standard for indoor metal-clad removable equipment.

These units are specifically engineered for urban construction and industrial substations. The KYN28-12, an indoor metal-enclosed type, utilizes a robust "metal-clad" architecture that provides superior safety by compartmentalizing internal components. Similarly, the KYN28-24 serves higher-capacity urban grids, offering a removable design that simplifies maintenance and reduces potential downtime. Beyond the primary cabinets, the integration of high-voltage outdoor isolating switches and disconnecting switches ensures that the entire system remains manageable and safe for technicians during routine inspections.

Innovative Features and Versatile Application Scenarios

Modern electrical equipment must be resilient enough to perform across a vast spectrum of operational environments. This adaptability is achieved through advanced manufacturing processes, such as the production of fully insulated and fully sealed inflatable cabinets. By isolating internal components from external contaminants like moisture, salt spray, and corrosive dust, these units are ideally suited for heavy industrial zones and coastal energy projects where air quality is a constant challenge.

In the rapidly expanding sector of renewable energy, intelligent solid insulated ring main units (RMU) are becoming the preferred choice for wind farms and solar arrays. Their compact footprint allows for seamless integration into the narrow bases of wind turbines or within the confined spaces of containerized solar inverters. For high-density urban environments, such as commercial high-rises and underground subway systems, the development of prefabricated substations and outdoor cable branch boxes provides a "plug-and-play" solution that minimizes on-site construction time and local disruption.

The advantage of a specialized medium voltage switchgear manufacturer is further amplified by the integration of digital sensors within these units. This allows for real-time monitoring of temperature and load, supporting "smart grid" initiatives in residential complexes and data centers where consistent power uptime is non-negotiable. Whether it is a rural electrification project requiring rugged outdoor isolating switches or a high-tech manufacturing plant needing precise metal-clad switchgear, the application range is as diverse as the global energy landscape itself. This versatility is backed by a responsive after-sales system and a technical R&D team that ensures every installation is optimized for its specific environmental stressors.

Global Collaboration and Real-World Impact

The effectiveness of these innovations is best reflected in their successful implementation across global markets. During the FIEE exhibition, discussions often centered on how customized OEM solutions have solved specific regional energy gaps. For instance, in a recent project for a large-scale industrial park in Southeast Asia, the deployment of custom-engineered medium voltage switchgear allowed the facility to consolidate its power footprint by 12% while increasing surge protection reliability.

In another collaborative case, a South American utility provider utilized specialized outdoor cable branch boxes and prefabricated substations to extend power to a remote mining operation. The equipment's full-sealing technology ensured consistent performance despite the harsh, dust-heavy environment. These examples highlight how a China Top OEM Medium Voltage Switchgear Manufacturer provides the essential infrastructure that supports industrial growth and energy security on a global scale. As the industry moves toward more intelligent and sustainable solutions, the synergy between manufacturing precision and technical innovation will remain the cornerstone of global power distribution.

For those seeking to explore advanced electrical components and professional manufacturing solutions, comprehensive technical data is available through the company's digital portal. To learn more about these products and service capabilities, please visit:

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