HPSI, a China Leading Generator Set Manufacturer, Delivers Certified Power Systems Worldwide



Xian, Shaanxi Nov 9, 2026 (Issuewire.com**)** - How do industrial facilities, isolated remote job sites, and mission-critical operations keep the lights on when local power grids fluctuate or fail completely? In heavy industries, telecommunications networks, and remote municipal infrastructure, continuous power continuity remains a central operational requirement. Addressing these demands requires robust engineering, adaptive technical design, and verifiable quality standards. Operating from Xi'an, Shaanxi Province, HPSI (Huaxin Power Systems International Co., Ltd.) serves as the foreign trade subsidiary of Shaanxi Huaxin Power Equipment Co., Ltd. As a China leading generator set manufacturer, HPSI leverages an integrated industrial model and a tightly controlled supply chain to deliver certified power solutions and specialized equipment across international markets.

By unifying resources across four core manufacturing facilities, Huaxin Power Systems International Co., Ltd. maintains direct oversight over component fabrication, system integration, and final testing procedures. This structural arrangement allows HPSI to support global industrial infrastructure projects with reliable equipment built for varied operating environments.

Comprehensive Product Portfolio **Across Applications**

Power requirements vary significantly depending on geographic conditions, noise restrictions, and functional demands. To accommodate this diversity, HPSI produces an extensive line of power generation equipment and water pump machinery, supporting outputs ranging from 5 kVA up to 3750 kVA.

- **Diesel Power Generation Units**

Engineered for high-load durability, diesel units form a mainstay for prime power and emergency standby configurations. HPSI equips these systems with engines from established manufacturing partners such as Cummins, Baudouin, Yuchai, Weichai, Perkins, and MTU. Outputs span from compact 5 kW units up to large-scale 3000 kW high-power installations designed for heavy industrial use.

- **Eco-Friendly Gas and Alternative Fuel Systems**

For applications prioritizing lower emissions or utilizing available local gas resources, HPSI supplies gas equipment running on natural gas, biogas, and methanol. The methanol liquid fuel series provides an alternative energy solution spanning 25 kVA to 3125 kVA, reducing particulate emissions while offering dependable prime power.

- **Versatile Structural Configurations**

Operating conditions dictate enclosure choices. HPSI supplies open-frame designs for dedicated indoor plant rooms, alongside specialized soundproof canopies for urban noise limits. For mobile or harsh outdoor deployments, the product line includes trailer-mounted systems, vehicle-integrated setups, and ISO containerized power stations built to withstand extreme environmental conditions.

- **Dedicated Diesel Water Pump Units**

Beyond electric power generation, HPSI produces specialized mobile drainage and irrigation machinery. These include self-priming pump sets, crawler-mounted drainage vehicles, and mobile lighting lighthouses tailored for municipal flood response, mining operations, and agricultural irrigation.

Technical Quality and Certified Manufacturing Assurance

Maintaining operational integrity across international borders requires rigorous quality controls and verifiable testing protocols. Huaxin Power Systems International Co., Ltd. builds its engineering foundation on technical patents, standardized production lines, and complete product traceability.

The parent enterprise operates a national-level high-precision testing center equipped with over 60 sets of specialized manufacturing and diagnostic machinery. Over 106 technical specialists and more than 30 dedicated research personnel guide product design and quality management, contributing to an annual production capacity reaching 2.36 million kVA. Every generator set manufacturer must ensure that units perform reliably under actual site conditions. To verify performance metrics before dispatch, HPSI subjects 100% of its manufactured equipment to full-load bank testing.

Quality management systems at HPSI align with recognized global benchmarks, including ISO 9001 quality management, ISO 14001 environmental safety, and ISO 45001 occupational health frameworks. Product certifications satisfy regulatory entrance criteria across various regional markets, ensuring compliance and smooth overseas delivery.

Customization forms a key component of HPSI's manufacturing service. Electrical parameters such as 50 Hz or 60 Hz frequencies and regional voltage configurations (ranging from 220V to 415V and medium-voltage standards) are adjusted to match local grid parameters. Furthermore, HPSI provides automated Transfer Switch (ATS) cabinets, PLC control logic customization, and intelligent remote monitoring modules, enabling seamless integration with existing plant management systems.

Global Field Experience and Project Support

Equipment reliability proves its value through continuous operation in challenging environments. Operating as a prominent China leading generator set manufacturer, HPSI delivers equipment to engineering contractors, industrial facilities, and public utilities across Southeast Asia, the Middle East, Africa, South America, and Europe.

In the telecommunications and digital infrastructure sector, HPSI supplies high-capacity 1000 kW to 3000 kW generator set installations for data centers and computing hubs. Projects such as the JC4 Data Center in Bekasi, Indonesia, require stable backup power to guard against grid interruptions and maintain zero downtime for critical data operations.

Industrial, mining, and energy extraction operations similarly rely on durable site power. In severe desert conditions, such as oilfield facilities at the Liaohe Oilfield and desert production sites, HPSI silent and containerized diesel units supply prime power under extreme ambient temperatures and dusty conditions. Similar deployments support coal mining projects on Sulawesi Island in Indonesia and large-scale mining operations across South America.

Municipalities and public works rely on HPSI emergency equipment for public safety and utility backup. Integrated crawler and trailer-mounted pump vehicles handle high-flow waterlogging and drainage tasks during seasonal flooding, while high-capacity 1000 kW units provide emergency backup power for high-rise residential developments and educational institutions like the Tongchuan Vocational and Technical College.

Across these diverse installations, Huaxin Power Systems International Co., Ltd. backs its deliveries with comprehensive technical assistance, international spare parts dispatch, and direct operational guidance to ensure uninterrupted equipment lifecycle performance.

Delivering Reliable Power Across Global Markets

As global industrial activity expands, the requirement for dependable, certified, and flexible generator set machinery remains vital for ongoing operational stability. Through full control over its four manufacturing bases, continuous technical innovation, and strict adherence to international quality standards, HPSI provides global clients with practical and dependable power systems.

Whether configuring emergency backup power for a high-density data facility, supplying prime power to an off-grid mining plant, or deploying mobile emergency pump equipment for municipal resilience, HPSI maintains a clear focus on product stability, certified quality, and customer support.

To explore detailed technical specifications, request customized OEM/ODM project designs, or consult with engineering specialists regarding global power applications, please visit the official company site at https://www.hpsigenerator.com/



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