



EMPOWER PRESENT
GENERATE FUTURE

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GENERATOR SETS FOR DATA CENTER

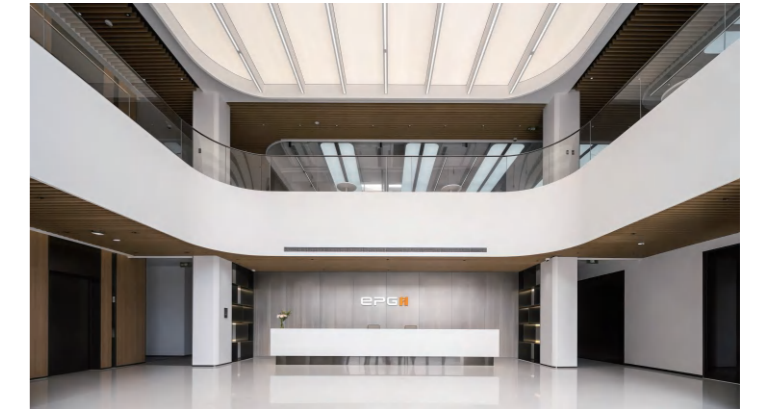
The industry has steadily developed beyond

20^{Year}



ABOUT EPG

EPG, as a pioneer in the data center sector, has dedicated over two decades to intensive cultivation, specializing in the research, manufacturing, and service of diesel generator sets, as well as IDC & AIDC modular data center solutions. With a spirit of craftsmanship integrated with innovative technology, we strive to set industry benchmarks. EPG intelligently shapes the future, steadily driving progress and development within the data center industry, and contributing outstanding strength to the prosperity of the digital era.



Exceptional R&D and Design Capabilities

We utilize industry-leading design software for precision engineering, comprehensive performance analysis, and fault simulation testing—ensuring that every delivered product delivers exceptional performance and outstanding quality!

A Global Service Network

With project experience in over 60 countries, we have built a robust multinational human resources and supply chain support system, along with a localized service network to ensure rapid response and deployment for overseas projects.



Intelligent and Digitalized Innovative Manufacturing

We have strategically established advanced R&D centers and four modern manufacturing bases in Changning and Jinshan Districts of Shanghai, China, as well as in Johor, Malaysia—building a solid foundation for production and providing comprehensive support and assurance for our products.

Outstanding Testing and After-Sales Team

Our experienced after-sales team provides a solid technical support, while our comprehensive data center testing team—covering power, HVAC, low-voltage systems, and fire protection—is well-versed in industry standards, ensuring top-quality acceptance for data centers. [EPG 02](#)

TWO DECADES OF EXCELLENCE

EMPOWERING DATA CENTER POWER GENERATION



2021

Leap in Intelligent Manufacturing:

EPG achieves a new annual sales record for its data center diesel generator sets and prefabricated products! With the grand launch of its first factory in Shanghai Jinshan, EPG ushers in a new chapter in data center pre-fabrication (modularization)!

2015

Global Network Expansion:

EPG further enhances its global presence, establishing 9 wholly-owned subsidiaries and 7 service centers in Singapore, Malaysia, Hong Kong, Shanghai, Beijing, Shenzhen, Chengdu, and other locations, showcasing a comprehensive global network!

2004

Establishment in Shanghai:

EPG China headquarters officially established in Shanghai.

2025

Global Leadership:

EPG diesel generator sets proudly debut, empowering "Made in China" to stride confidently onto the world stage!

2024

Global Expansion:

EPG embarks on a new journey in overseas data center construction, with the grand inauguration of its first factory in Malaysia and second factory in Shanghai Jinshan, achieving remarkable new heights in the diesel generator business!

2017

Driving Asia-Pacific:

EPG strategically partners with Rolls-Royce, formalizing cooperation through a strategic agreement, honored as a key Asia-Pacific partner for Rolls-Royce original diesel generator sets!

2014

Emerging Brilliance:

EPG partners with industry leaders to deepen strategic cooperation, collaboratively opening a new chapter of growth, establishing a leading position in the backup power systems industry, and driving innovation and development within the sector!



Leading Innovation

EPG strives at the forefront of technology, driving efficiency improvements and energy savings in data center power generation. With exceptional quality and comprehensive services, we lead innovation in the field, building a solid power foundation for the stable operation of data centers!



Trusted by Customers

EPG serves a wide range of clients, including leading internet giants such as AWS, Microsoft, Oracle, Alibaba, Tencent, Baidu, and ByteDance, as well as core data centers of major telecom providers like China Mobile, China Unicom, and China Telecom. With our stable and reliable power supply solutions, we fully meet the stringent requirements of data centers for power assurance. Our proven performance has earned the trust and praise of our clients, establishing EPG as a key force in data center power protection.



Solution Empowerment

In Asia, EPG delivers reliable power to key industries across Singapore, Malaysia, Japan, and South Korea. In Hong Kong and Taiwan, our power solutions play a vital role in ensuring the stable operation of major data hubs. Reaching across oceans to the United States, we continue to shine at the forefront of technology, building dependable power defenses for data centers worldwide.



EXCEPTIONAL R&D AND MANUFACTURING CAPABILITIES



Global Intelligent Manufacturing Bases

With four major manufacturing plants in Jinshan District, Shanghai, and Johor, Malaysia, EPG anchors its operations in the Asia-Pacific to serve the global market. These facilities adopt advanced manufacturing processes and intelligent management systems, enabling full-process control and self-sufficiency. Our production capacity covers a wide range of generator sets, meeting diverse and customized demands.



World-Class R&D and Innovation Capabilities

Senior engineers, with more than two decades of deep expertise in the power systems field. Through continuous innovation, we drive technological breakthroughs and advancements. With 5 invention patents, over 50 utility model patents, and multiple software copyrights, we maintain a leading position in key areas such as energy efficiency optimization, intelligent control, and eco-friendly noise reduction—delivering exceptional performance and low-carbon value across our products.



Digitalized Design and Rigorous Quality Control

Leveraging a range of internationally advanced design software—such as 3D modeling and simulation analysis tools—EPG has achieved fully digitalized and highly precise integrated design for its generator sets. At the same time, the company is equipped with a professional testing team that ensures each unit operates efficiently and reliably through comprehensive methods including full-condition simulation, load testing, and environmental adaptability verification.



Full Lifecycle Service Assurance

EPG places customer value at the core, building a comprehensive service system that covers pre-sales consultation, installation and commissioning, as well as operation and maintenance support. Our professional after-sales team offers 24/7 rapid response, remote diagnostics, and spare parts supply—enabling customers to efficiently manage the full life-cycle of their equipment while minimizing downtime risks.

STRICT PROCESS CONTROL, WINNING BY DETAIL

Exceptional Performance, Efficient Power Generation Solutions

EPG diesel generator sets offer low fuel consumption and reduced operating costs. With superior system design and seamless component integration, they ensure stable and efficient power generation.

High Conversion Efficiency: Maximizes energy utilization and minimizes waste.

Extended Maintenance Intervals: Reduces downtime and boosts operational efficiency.

Optimized Design: Delivers powerful performance in compact spaces to meet diverse application needs.

Wide Operating Range: Maintains stable performance under complex and challenging conditions.

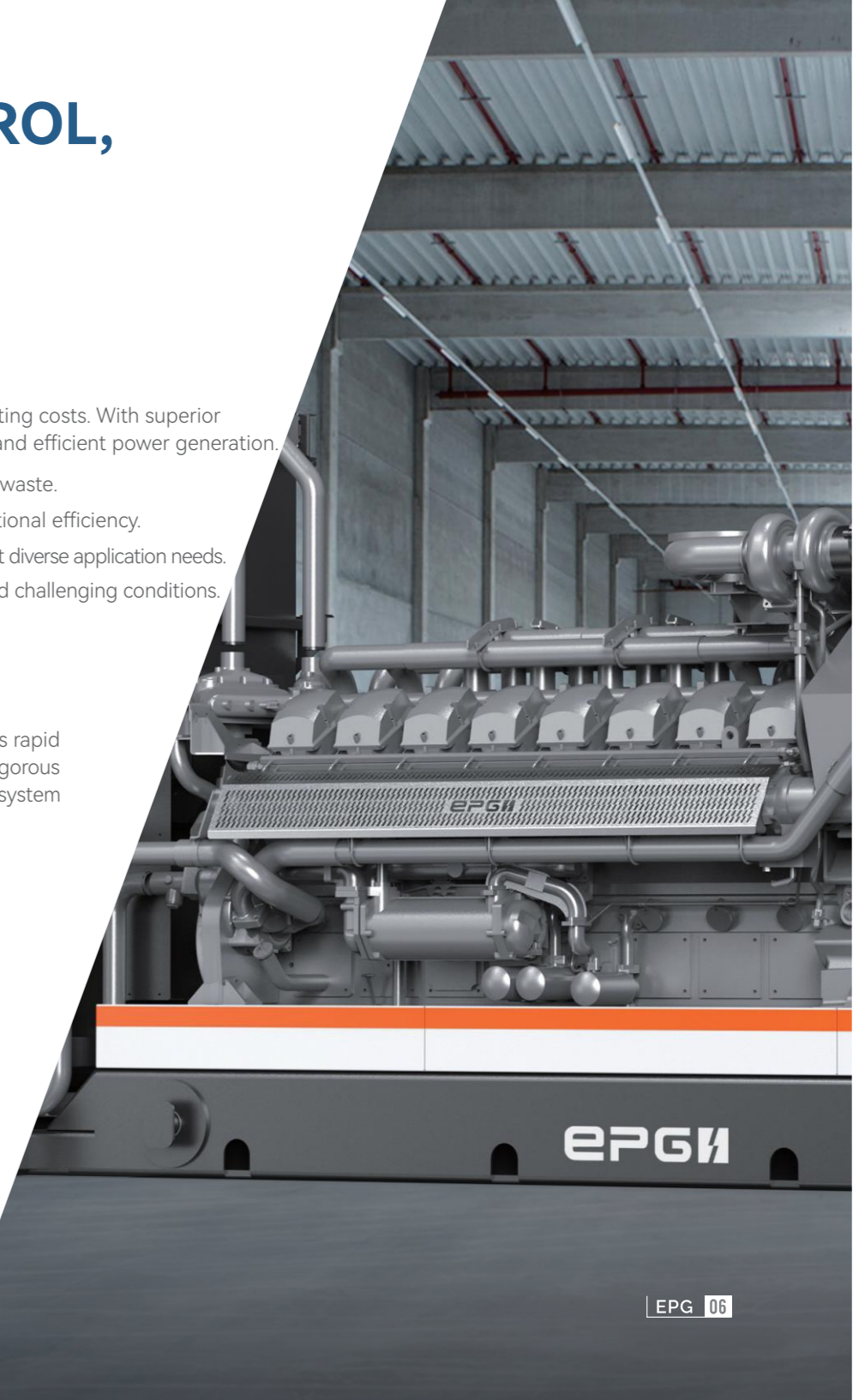
Rigorous Standards, Guaranteed Quality

Fully compliant with the international high standard ISO 8528 G3. Delivers rapid transient response and stable, reliable power supply. Each unit undergoes rigorous and detailed testing, with meticulous attention to every step. The engine system offers exceptional performance—reliable and built to be trusted.

Eco-Friendly and Sustainable Development

Compliant with Tier 3/Stage IIIA emission standards, achieving both environmental protection and high efficiency. A wide range of accessory options, user-friendly operation, and reliable safety. Partner with EPG to build a greener future together.

EPG diesel generator sets deliver exceptional performance, strict compliance with standards, and eco-friendly operation—providing you with efficient and reliable power solutions!



CORE CONFIGURATION

Cooling system

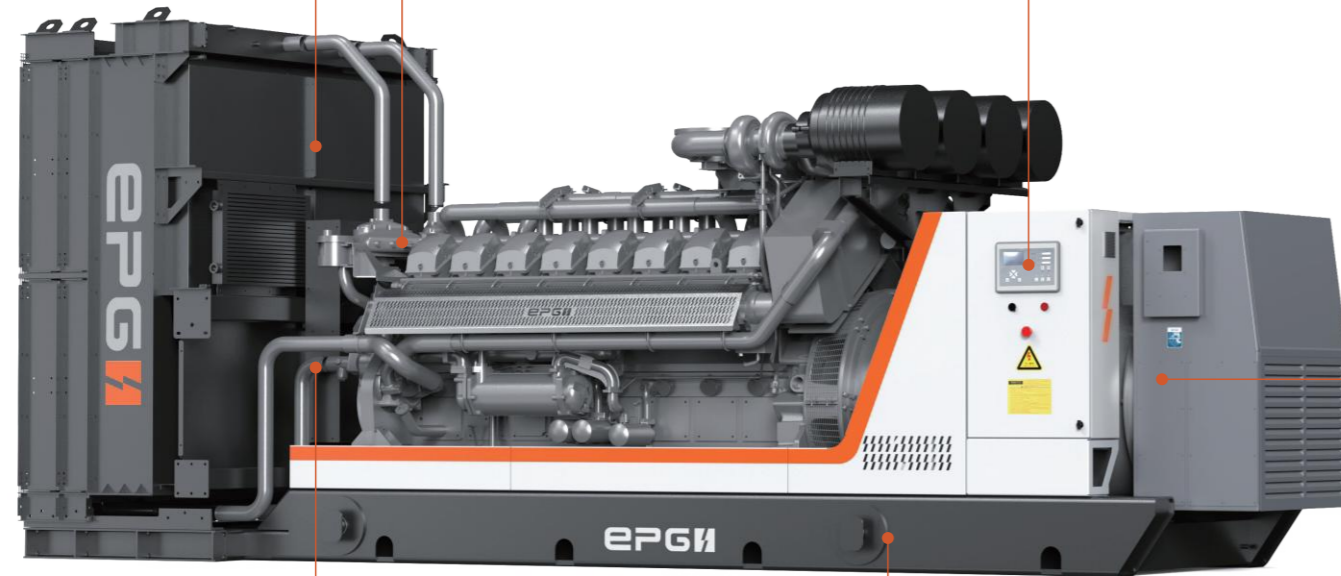
The patented segmented mechanical radiator is equipped with an intelligent temperature control valve group, which effectively extends the maintenance cycle and improves the cooling efficiency.

Fuel Delivery System

Integrated piston pump type electric regulation system, equipped with a base-embedded fuel switch valve group, optimizes fuel delivery capacity and reduces fuel consumption.

Control System

Configuration Basler DGC-2020HD /DEIF AGC-4 Industrial grade touch screen controller with dynamic load distribution function and ISO 8528-5 transient response certification.



Emissions meet standards

Equipped with an ISO 8528 certified engine, it meets Tier3/Stage IIIA emission standards and achieves the best balance between emissions and power output.

Various accessories options

Multiple heaters, battery chargers, control panel accessories, fuel filters, fuel coolers and more.

Generator

It adopts Leroy Somer/Marathon/Stamford generator, supports 380V-415V low voltage and 11kV high voltage output, and complies with international standards such as NEMA MG1\BS5000\IEC.

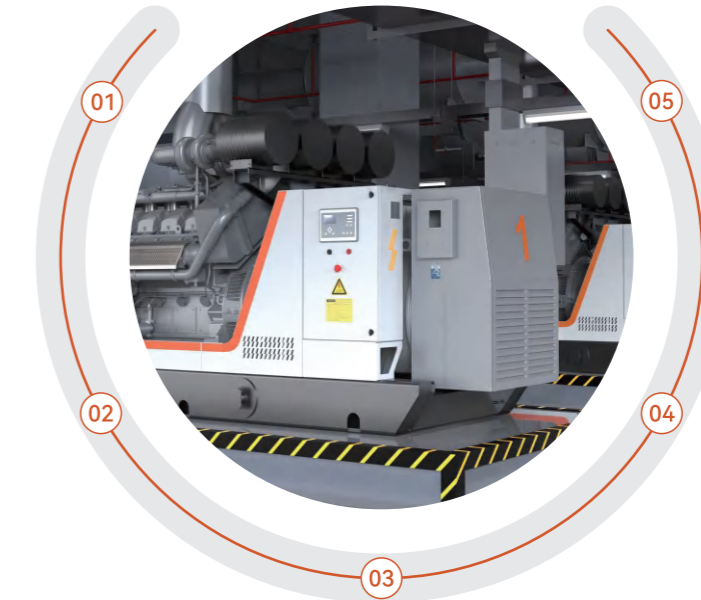
PRODUCT HIGHLIGHTS

Excellent performance, high energy efficiency

Equipped with advanced combustion technology, it achieves industry-leading fuel consumption rates, and combined with a compact integrated design, it maintains high power density while reducing size.

Global Standard, Green Power

The product has passed Tier3/Stage IIIA emission certification and simultaneously built a global service network to enable green power solutions to be seamlessly implemented in harsh environments around the world.



All series of units, internationally certified

The entire series of units has passed multiple international certifications such as ISO 8528, BS5000, NEMA MG1, etc., and its electrical performance meets the G3 grid access standard, meeting the stringent power quality requirements of highly sensitive scenarios such as data centers.

Rigorous testing, stable and reliable

Each unit completes ISO 8528-5 transient response testing before leaving the factory. Product design, quality and performance are strictly tested, type tested, and factory tested to ensure full-range dynamic stability.

A full range of accessories, complete system

A full range of accessories includes control panels, fuel systems, fuel connecting pipes, starting/charging systems, exhaust systems and mechanical radiators to build a complete power system from core to periphery.

DIESEL GENERATOR SET PRODUCTS



power

Power Range

1000~2000kW

motor

Core Motor

4012, 4016 series

Highlights

Technical highlights

- Standardized design, unified cylinder diameter and stroke, and universal parts
- Innovative and upgraded valve strengthening technology and full floating exhaust system
- Simultaneously promote sealing system optimization and forward-looking technology iteration

Advantages

Accurate effect evaluation

- Excellent performance and reliability, in line with international emission standards, to meet the global market
- Greatly reduce spare parts management costs
- Durability has been fully improved, providing global users with reliable and future-oriented power solutions

GENERATOR SET MODEL SPECTRUM TABLE

Data center continuous power (DCP)

Genset Model	Power				Consumption(Full load)		Engine Specifications					Dimension&Weight		
	V/kv	kVA	kW	Amps	Diesel(l/hr)	Lub. Oil/Fuel (%)	Engine Model	Cylinders	Vol (litre)	Air Intake (m3/min)	Lub. oil cap (l)	Coolant cap (l)	Dimension (L*W*H)(mm)	D.W
EP1250L-L	415V	1250	1000	1739	235.1	≤0.3	4012-46TWG2A	12	45.84	100	157.5	172.5	4,680×2,050×2,400	7,843
EP1250L-H	11kV			65.6										
EP1250M-L	415V	1250	1000	1764	235.1	≤0.3	4012-46TWG2A	12	45.84	100	157.5	172.5	4,880×2,050×2,400	8,044
EP1250M-H	11kV			68.6										
EP1250S-L	415V	1250	1000	1739	235.1	≤0.3	4012-46TWG2A	12	45.84	100	157.5	172.5	4,780×2,050×2,400	7,987
EP1250S-H	11kV			67.6										
EP1500L-L	415V	1500	1200	2067	287	≤0.3	4012-46TAG2A	12	45.84	116.2	157.5	233.5	4,670×2,100×2,380	10,196
EP1500L-H	11kV			77.5										
EP1500M-L	415V	1500	1200	2086	287	≤0.3	4012-46TAG2A	12	45.84	116.2	157.5	233.5	4,870×2,100×2,380	11,096
EP1500M-H	11kV			78.7										
EP1500S-L	415V	1500	1200	2054	287	≤0.3	4012-46TAG2A	12	45.84	116.2	157.5	233.5	4,770×2,100×2,380	10,876
EP1500S-H	11kV			76.5										
EP1750L-L	415V	1750	1400	2354	297	≤0.3	4016TAG1A	16	61.123	132	214	316	5,600×2,792×3,150	13,816
EP1750L-H	11kV			89.9										
EP1750M-L	415V	1750	1400	2434	297	≤0.3	4016TAG1A	16	61.123	132	214	316	5,760×2,792×3,150	14,030
EP1750M-H	11kV			91.8										
EP1750S-L	415V	1750	1400	2398	297	≤0.3	4016TAG1A	16	61.123	132	214	316	5,740×2,792×3,150	13,210
EP1750S-H	11kV			90.5										
EP2000L-L	415V	2000	1600	2676	341	≤0.3	4016TAG2A	16	61.123	137	214	316	5,720×2,792×3,150	14,316
EP2000L-H	11kV			103.5										
EP2000M-L	415V	2000	1600	2782	341	≤0.3	4016TAG2A	16	61.123	137	214	316	5,860×2,792×3,150	15,210
EP2000M-H	11kV			104.9										
EP2000S-L	415V	2000	1600	1735	341	≤0.3	4016TAG2A	16	61.123	137	214	316	5,760×2,792×3,150	14,100
EP2000S-H	11kV			104.2										
EP2250L-L	415V	2250	1800	3010	371	≤0.3	4016-61TRG3	16	61.123	160	213	492	6,070×2,200×2,554	16,510
EP2250L-H	11kV			117.2										
EP2250M-L	415V	2250	1800	3130	371	≤0.3	4016-61TRG3	16	61.123	160	213	492	6,170×2,200×2,554	17,514
EP2250M-H	11kV			118.1										
EP2250S-L	415V	2250	1800	3105	371	≤0.3	4016-61TRG3	16	61.123	160	213	492	6,020×2,200×2,554	17,145
EP2250S-H	11kV			117.9										
EP2500L-L	415V	2500	2000	2467	485	≤0.3	4016-61TRG3X	16	61.123	175	213	600	6,275×2,200×2,566	17,874
EP2500L-H	11kV			130.1										
EP2500M-L	415V	2500	2000	3478	485	≤0.3	4016-61TRG3X	16	61.123	175	213	600	6,275×2,200×2,566	18,265
EP2500M-H	11kV			131.2										
EP2500S-L	415V	2500	2000	3475	485	≤0.3	4016-61TRG3X	16	61.123	175	213	600	6,275×2,200×2,566	18,155
EP2500S-H	11kV			130.9										

TESTING PLATFORM

Wisdom

Smart and efficient

The intelligent load simulation system accurately reproduces all operating scenarios and completes multi-dimensional performance testing with one click, helping to significantly shorten the testing cycle and accelerate product delivery.

Precise

"Precision" test all-round

More than 20 indicators including power parameters/fuel consumption/noise are clearly displayed, and the 0.5-level precision detection equipment builds a 360° quality defense line. The power generation efficiency, power quality, and fuel economy data are fully transparent.

Secure

"A" worry-free protection

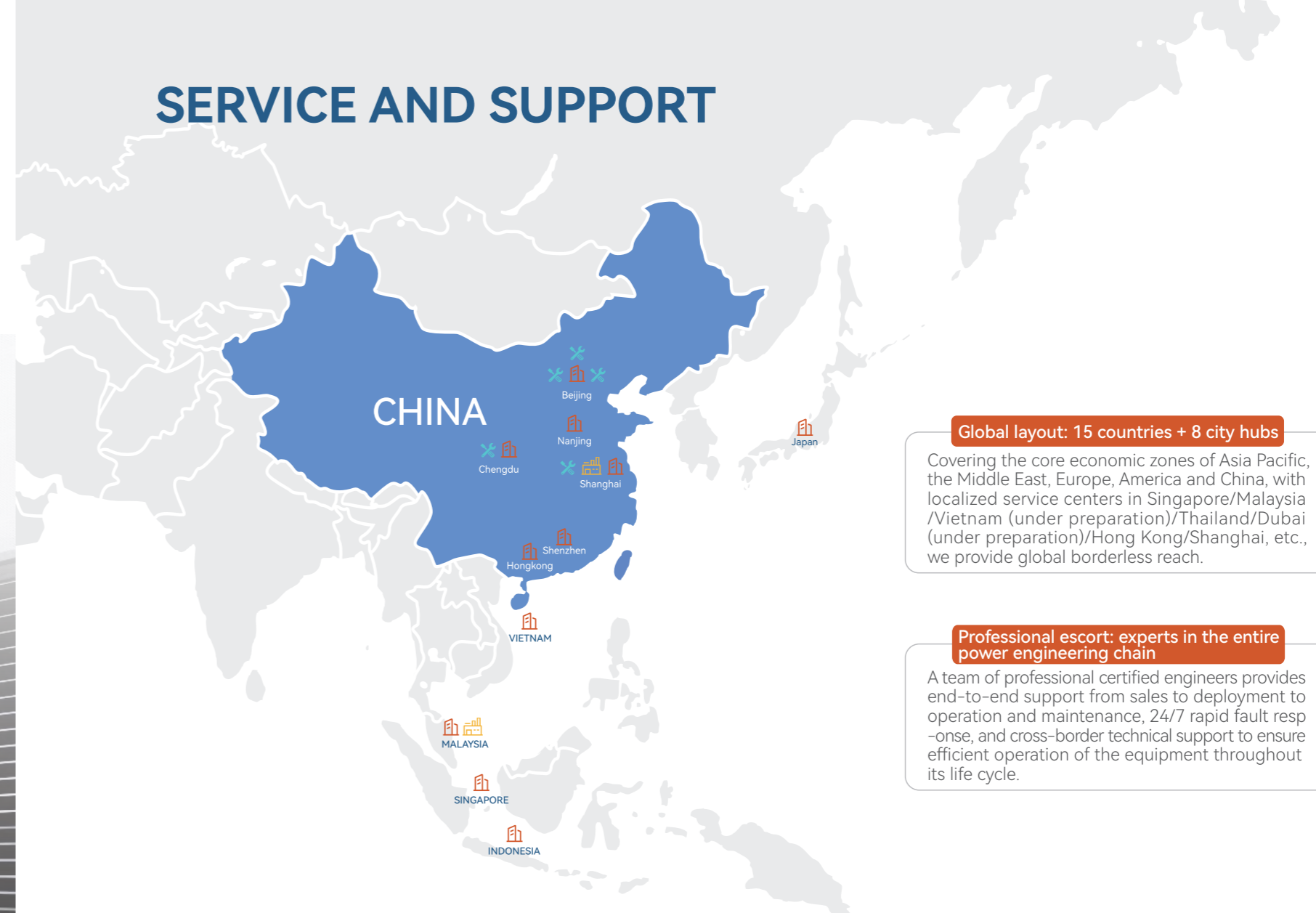
24/7 expert-level cloud supervision, second-level response to abnormalities + active safety intervention, double-security testing to ensure zero accidents, and escort each unit to its limit verification.

Number

Numbers drive the future

The full life cycle performance archive is automatically generated, data is traceable, and AI intelligent analysis predicts potential risks, providing accurate decision-making support for product optimization.

SERVICE AND SUPPORT






Global layout: 15 countries + 8 city hubs

Covering the core economic zones of Asia Pacific, the Middle East, Europe, America and China, with localized service centers in Singapore/Malaysia/Vietnam (under preparation)/Thailand/Dubai (under preparation)/Hong Kong/Shanghai, etc., we provide global borderless reach.

Professional escort: experts in the entire power engineering chain

A team of professional certified engineers provides end-to-end support from sales to deployment to operation and maintenance, 24/7 rapid fault response, and cross-border technical support to ensure efficient operation of the equipment throughout its life cycle.

-  Manufacturing Center
-  Office
-  Service Center

*Global power partner,
keeping energy always online!*