A global force in power solutions since 1920, Kohler is committed to reliable, intelligent products, advanced engineering and responsive after-sale support.

As the largest privately-owned power generation manufacturer in the world, we have 100 years of experience in industrial power and benefit from global R&D, manufacturing, sales and distribution integration.

Inspired by our clients, we developed dedicated solutions for the data center industry worldwide.

Our PODs are designed with standard and reliable components—and available in a variety of configurations. Whether you need to secure the power supply of your data center or simply replace your current backup generators, we have the perfect power options for your business.

Our qualified technical teams will guide you towards the right technical solution for your project, based on your individual requirements and regulations.
Each project submitted to Kohler follows a proven process from planning to the post-installation maintenance. A succession of pre-established steps mastered by all our teams provides you with the guarantee of flawless efficiency.

From planning the design and choice of equipment to final testing and commissioning, we have one goal: to offer you reliable power systems, precisely designed to your activities and your budget.

Kohler complies with global and local emissions standards (e.g., EPA, MCP, etc.) thanks to specially engineered to allow the lowest levels of emissions particles on the market. Kohler’s teams focus on generator set design and installation to consider the local environmental impact noise will have on populated areas and to comply with sound levels regulations all over the world. Kohler measures the sound emitted by all its generator systems, whether open or fully sound attenuated, to ensure the generator selected is within your site location noise regulations.

Your power systems’ operations must be able to handle extreme rigor during testing, meticulous specifications. Great flexibility in manufacturing, fast delivery and after-sales service.

A POWERFUL CASE STUDY

Guangzhou Keyun Data Center is located in Guangzhou Economic and Technological Development Zone, with a construction area of 4.421 square meters. Keyun Phase B is the largest data center park built by Guangdong Telecom for Tencent. For this project, Kohler delivered (2) KD2500 generate with strong project management ability, fast delivery and after-sales service.

Benefits

Short lead-time and quick deployment
Optimized design for data centers
Easy for operations
Stackable and rackable solutions

A data center’s electrical power supply can be provided by several different power sources provide redundancy, and risk reduction, rather than a single power source. A data center’s electrical power supply is typically designed to allow the lowest levels of emissions particles on the market. Kohler generates pack big performance into a compact frame, specially engineered to allow the lowest levels of emissions particles on the market. Kohler’s teams focus on generator set design and installation to consider the local environmental impact noise will have on populated areas and to comply with sound levels regulations all over the world. Kohler measures the sound emitted by all its generator systems, whether open or fully sound attenuated, to ensure the generator selected is within your site location noise regulations.

Uptime and reliability
Designing power systems that meet the requirement for the highest levels of uptime (e.g. the Uptime Institute Tier IV standard) requires expert attention to system design, equipment, and installation. Our KOHLER® generators are specially engineered to allow the lowest levels of emissions particles on the market. Kohler’s teams focus on generator set design and installation to consider the local environmental impact noise will have on populated areas and to comply with sound levels regulations all over the world. Kohler measures the sound emitted by all its generator systems, whether open or fully sound attenuated, to ensure the generator selected is within your site location noise regulations.

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Short lead-time and quick deployment
Optimized design for data centers
Easy for operations
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From standard solutions to specific cases, Kohler always supports your needs with a dedicated approach.

GUANGZHOU KEYUN DATA CENTER: A POWERFUL CASE STUDY

Generating set: KD2500
Number of gensets: 12
Rackable solution
Frequency: 50 Hz
Engine type: KOHLER
Engine model: KDI18V12
Voltage: 480V

Our priority is to provide you with a reliable and flexible solution for your project, including paralleling two or more generators.

Uptime and reliability
Designing power systems that meet the requirement for the highest levels of uptime (e.g., the latest Tier IV standard) requires expert attention to system architecture and equipment redundancy. Our priority is to provide you with a reliable and flexible solution for your project, including paralleling two or more generators.

Noise
Our concern focuses on generator set design and installation to consider the local environmental impact. Noise will have on populated areas and to comply with sound levels regulations all over the world. Kohler’s measures the sound emitted by all its generator systems, whether open or fully sound attenuated, to ensure the generator selected is within your site location noise regulations.

Emissions
Kohler complies with global and local emissions standards (e.g., EPA, MCP, etc.) thanks to our advanced engine design and exhaust equipment. Our KD Series generators are specially engineered to allow the lowest levels of emissions particles on the market.

Compact design
The footprint of a generator—in terms of both surface area and volume—is key to ensuring its integration into an environment, regardless of space constraints. That’s why KOHLER generators pack big performance into a compact frame.

PLANNING
1. Site Survey & Planning
2. Site Survey & Planning
3. Site Survey & Planning

PROJECT EXECUTION
1. Equipment Selection
2. Implementation & Construction
3. Operation & Maintenance

POST-INSTALLATION
1. Testing & Commissioning
2. Maintenance
3. Emergency Service Training & Documentation
4. Scheduled Preventive Maintenance
5. Maintenance Contracts

LOWER CHALLENGES
1. Modern data center requirements
2. Uptime and reliability
3. Noise
4. Emissions
5. Compact design

OUR PODS PROVIDE GUARANTEED LEAD TIMES AND RELIABLE POWER AT A COMPETITIVE VALUE

DENSITY PODs
- Walk-in enclosure / 45'-ft container
- Best power density on the market

MODULAR PODs
- 40'-ft container / Skin-tight
- Stackable, rackable
- Quick deployment

X-PRESS PODs
- Canopy / Skin-tight / 20'-ft container
- Compact
- Short lead time

HYPERSCALE DATA CENTER
- Up to 500 MW

REGIONAL DATA CENTER
- Up to 25 MW

EDGE DATA CENTER
- Up to 6 MW

Kohler complies with global and local emissions standards (e.g., EPA, MCP, etc.) thanks to our advanced engine design and exhaust equipment. Our KD Series generators are specially engineered to allow the lowest levels of emissions particles on the market.

Uptime and reliability
Designing power systems that meet the requirement for the highest levels of uptime (e.g., Tier IV) is a complex task. Kohler's Tier IV standard requires expert attention to system architecture and equipment redundancy. Our priority is to provide you with a reliable and flexible solution for your project, including paralleling two or more generators.

Noise
Our concern focuses on generator set design and installation to consider the local environmental impact. Noise will have on populated areas and to comply with sound levels regulations all over the world. Kohler’s measures the sound emitted by all its generator systems, whether open or fully sound attenuated, to ensure the generator selected is within your site location noise regulations.

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Compact design
The footprint of a generator—in terms of both surface area and volume—is key to ensuring its integration into an environment, regardless of space constraints. That’s why KOHLER generators pack big performance into a compact frame, in both soundproofed and open versions.
From standard solutions to specific needs, Kohler always supports your needs with a dedicated approach.

Our priority is your project.

Guangzhou Keyun Data Center: A Powerful Case Study

Generating set: KD2500

Number of机组: 12

Rockable solution

Frequency: 50 Hz

Engine brand: KOHLER

Engine model: KDDV12

Voltage: 480V

Our Pods Provide Guaranteed Lead Times and Reliable Power at a Competitive Value

Benefits

- Short lead-time and quick deployment
- Optimized design for data centers
- Easy for operations
- Stackable and rackable solutions

X-PRESS Pods

- Canopy / Skin-tight / 20-Ft container
- Compact
- Short lead-time

Density Pods

- Walk-in enclosure / 45-Ft container
- Best Power Density on the market

Regional Data Center

Up to 25 MW

HyperScale Data Center

Up to 500 MW

Our experts focus on generator set design and installation to consider the local environmental impact, noise levels, and risk reduction, rather than a single source of inbound power.

A data center’s electrical power supply is the foundation of the data center. A reliable and efficient source of power provides redundancy and reliability—critical for a data center’s success.

Each project submitted to Kohler follows a proven process from planning to the post-installation maintenance. A succession of pre-established steps mastered by all our teams provides you with the guarantee of flawless efficiency.

The footprint of a generator—in terms of both surface area and volume—is key to ensuring its integration into an environment, regardless of space constraints. The footprint of a generator is essential to its integration into a data center.

Our teams focus on generator set design and installation to consider the local environmental impact, noise levels, and risk reduction, rather than a single source of inbound power.

A data center’s electrical power supply is the foundation of the data center. A reliable and efficient source of power provides redundancy and reliability—critical for a data center’s success.

That’s why KOHLER® generators pack big performance into a compact frame, precisely designed to your specifications. Great flexibility in manufacturing ensures engineering during testing, meticulous precautions during commissioning—everything is done to provide you with a solution adapted to your activity and your budget.

Your challenges... Your expertise...
KOHLER® PODs are pre-designed modules, which offer the best solution for scaling your data center power for expansion or incremental growth. The modules are fully integrated to include a control panel, generating set, monitoring, security, fire system and cooling.

CHOOSE FROM ONE OF OUR BASE DESIGNS OR CUSTOMIZE FOR YOUR SPECIFIC NEEDS.

**X-PRESS PODs**
- **Power Optimized Design**
- **Modular PODs**
- **Regional PODs**
- **Density PODs**

**Data Center Mission Critical for Continuous Power**
- **Kohler engine**
- **Kohler controller**
- **APM403 / APM603 / APM802**

**Redundant starting system**
- **IBC compliance**
- **C4/C5 painting**
- **SCR treatment**
- **Fire system**
- **Double Circuit Breaker**
- **Low Voltage / Medium Voltage**
- **Extreme temperature**
- **High Altitude**
- **Super Silent: 65 dB(A)**
- **Onboard synchronization capabilities**
- **Fuel polishing**
- **Fast cable connectors**

**CHOOSE FROM ONE OF OUR BASE DESIGNS OR CUSTOMIZE FOR YOUR SPECIFIC NEEDS.**

**Standard Features**
- Double starter
- Circuit breaker
- Dead bus synchronizing
- Performance class G3
- Class F alternator

**Enclosures:**
- Canopy
- 20-ft container
- Skin-light

**Max Power:**
- 1200 kW (50 Hz) - 1500 kW (60 Hz)
- 76 dB(A) @ 7 m (50 Hz)
- 82 dB(A) @ 7 m (60 Hz)
- 82 dB(A) @ 7 m (50 Hz)
- 82 dB(A) @ 7 m (50 Hz)
- 40 kW (60 Hz)

**Sound Level:**
- 76 dB(A) @ 7 m (50 Hz)
- 71 dB(A) @ 7 m (50 Hz)
- 71 dB(A) @ 7 m (50 Hz)
- 71 dB(A) @ 7 m (50 Hz)
- 71 dB(A) @ 7 m (50 Hz)

**Dimensions:**
- L 6.80 x W 2.16 x H 2.75 m
- L 9.14 x W 2.44 x H 2.90 m
- L 11.15 x W 3.02 x H 4.57 m
- L 13.49 x W 3.48 x H 4.78 m
- L 13.72 x W 2.44 x H 2.90 m

**Fuel System:**
- Belly Tank (High fuel capacity for large autonomy)

**Kohler is accredited by the Uptime Institute to deliver DCP rating power for your data center. We are also able to design solutions in compliance with Uptime Institute Tier I to IV requirements.**

**Certifications**
- **EMEA**
  - ISO8528-5
  - CE
  - EPA Tier 2
  - MCP ready
- **NAFTA**
  - ISO9007-35
  - 50 Hz
  - 60 Hz
- **IBCA**
  - ISO2007-11
  - 50 Hz
  - 60 Hz
- **Uptime Institute**
  - Tier I to IV

**Operating Ambient Conditions**
- T° min/max: 10 to 50°C
- Humidity: 0-100%
- Altitude: Up to 1000 m

**MODULAR PODs**
- **Power Optimized Design**
- **Regional Data Center**
- **Up to 25 MW**
- Stackable, rackable and quick deployment

**REGIONAL DATA Center**
- **Stackable, rackable and quick deployment**
- **Completely modular**
- **Low noise level**
- **Welded double wall construction**

**Enclosures:**
- Canopy
- 20-ft container
- Skin-light

**Max Power:**
- 2200 kW (50 Hz) – 2500 kW (60 Hz)
- 76 dB(A) @ 7 m (50 Hz)
- 76 dB(A) @ 7 m (50 Hz)
- 76 dB(A) @ 7 m (50 Hz)
- 76 dB(A) @ 7 m (50 Hz)

**Sound Level:**
- 76 dB(A) @ 7 m (50 Hz)
- 76 dB(A) @ 7 m (50 Hz)
- 76 dB(A) @ 7 m (50 Hz)
- 76 dB(A) @ 7 m (50 Hz)
- 76 dB(A) @ 7 m (50 Hz)

**Dimensions:**
- L 9.14 x W 2.44 x H 2.90 m
- L 13.49 x W 3.48 x H 4.78 m
- L 13.72 x W 2.44 x H 2.90 m

**Fuel System:**
- Belly Tank (High fuel capacity for large autonomy)

**Kohler engine**
- **APM403 / APM603 / APM802**

**DENSITY PODs**
- **Power Optimized Design**
- **Hyperscale Data Center**
- **Up to 500 MW**
- Best power density on the market

**Enclosures:**
- Canopy
- 40-ft container
- Skin-light

**Max Power:**
- 3000 kW (50 Hz) – 4000 kW (60 Hz)
- 82 dB(A) @ 7 m (50 Hz)
- 82 dB(A) @ 7 m (50 Hz)
- 82 dB(A) @ 7 m (50 Hz)

**Sound Level:**
- 82 dB(A) @ 7 m (50 Hz)
- 82 dB(A) @ 7 m (50 Hz)
- 82 dB(A) @ 7 m (50 Hz)

**Dimensions:**
- L 13.72 x W 2.44 x H 2.90 m
- L 13.49 x W 3.48 x H 4.78 m

**Fuel System:**
- Belly tank (High fuel capacity for large autonomy)

**Options:**
- **IBC compliance**
- **C4/C5 painting**
- **SCR treatment**
- **Fire system**
- **Double Circuit Breaker**
- **Low Voltage / Medium Voltage**
- **Super Silent: 65 dB(A)**
- **Onboard synchronization capabilities**
- **Fuel polishing**
- **Fuel cable connectors**
From standard solutions to specific design, Kohler always supports your needs with a specific design. Kohler always brings to market new innovations, from standard solutions to extreme rigor during testing, meticulous specifications. Great flexibility in manufacturing, power systems, precisely designed to your activity and your budget.

Guohou is done to provide you with a solution adapted to its environment, regardless of space constraints. Each project submitted to Kohler follows a proven process from planning to the post-installation maintenance. A succession of pre-established steps enabled by all our teams provides you with the guarantee of flawless efficiency.

From planning the design and choice of equipment to final testing and commissioning, we have one goal: to offer you reliable equipment to final testing and commissioning, and provide a "no-break" power supply that meets the highest levels of uptime. (e.g. the Uptime Institute Tier IV standard) requires expert attention to system architecture and equipment redundancy. Our priority is to provide you with a reliable and flexible solution for your project, including paralleling two or more generators.

Each project submitted to Kohler follows a proven process from planning to the post-installation maintenance. A succession of pre-established steps enabled by all our teams provides you with the guarantee of flawless efficiency.

From planning the design and choice of equipment to final testing and commissioning, we have one goal: to offer you reliable power systems, precisely designed to your specifications. Great flexibility in manufacturing, extreme rigor during testing, meticulous precautions during commissioning—everything is done to provide you with a solution adapted to your activity and your budget.

Guohou is done to provide you with a solution adapted to its environment, regardless of space constraints. Each project submitted to Kohler follows a proven process from planning to the post-installation maintenance. A succession of pre-established steps enabled by all our teams provides you with the guarantee of flawless efficiency.

From planning the design and choice of equipment to final testing and commissioning, we have one goal: to offer you reliable power systems, precisely designed to your specifications. Great flexibility in manufacturing, extreme rigor during testing, meticulous precautions during commissioning—everything is done to provide you with a solution adapted to your activity and your budget.

**GLOBAL STRENGTH LOCAL SUPPORT**

**OUR PODS PROVIDE GUARANTEED LEAD TIMES AND RELIABLE POWER AT A COMPETITIVE VALUE**

**Benefits**

- Short lead-time and quick deployment
- Optimized design for data centers
- Easy for operations
- Stackable and rackable solutions

**OUR PODS PROVIDE GUARANTEED LEAD TIMES AND RELIABLE POWER AT A COMPETITIVE VALUE**

**DENSITY PODs**

- 40-Ft container / 45-Ft container
- Optimal power density on the market

**MODULAR PODs**

- 40-Ft container / Skin-tight
- Stackable, rebuildable, quick deployment

**X-PRESS PODs**

- Canopy / Skin-tight / 20-Ft container
- Compact
- Short lead-time

**HYPERSCALE DATA CENTER**

- Up to 500 MW

**REGIONAL DATA CENTER**

- Up to 25 MW

**EDUCATION CENTER**

- Up to 6 MW

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**POST-INSTALLATION**

- Testing & Commissioning
- Maintenance & Troubleshooting
- Training & Documentation
- Scheduled Preventive Maintenance
- Functionality Test
- Maintenance Contracts
- Testing & Commissioning

**PROJECT EXECUTION**

- Conceptual Design
- Detailed Proposal
- Site Survey & Planning
- Budgeting
- Equipment Selection
- Implementation & Construction
- Equipment Delivery & Installation
- Shop Drawing & Site Preparation

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**Your Challenges**

Uptime and reliability
Designing power systems that meet the requirement for the highest levels of uptime (e.g., the Uptime Institute Tier IV standard) requires expert attention to system architecture and equipment redundancy. Our priority is to provide you with a reliable and flexible solution for your project, including paralleling two or more generators.

Noise
Our focus is on generator set design and installation to consider the local environmental impact noise will have on populated areas and to comply with sound levels regulations all over the world. Kohler measures the sound emitted by all of its generator systems, whether open or fully sound attenuated, to ensure the generator selected is within your site location noise regulations.

Emissions
Kohler complies with global and local emissions standards (e.g., EPA, MTRA) thanks to our advanced engine design and exhaust equipment. Our KD Series generators are specially engineered to allow the lowest levels of emissions particle on the market.

Compact design
The footprint of a generator—in terms of both surface area and volume—is key to ensuring its integration into an environment, regardless of space constraints. That’s why KOHLER® generators pack big performance into a compact frame, in both soundproofed and open versions.
Global Network
Worldwide distribution locations providing personal customer support and technical assistance 24/7. Consistent world-class parts and service support in all markets we serve.

Warranty
Kohler stands by the quality of our products by offering a Standard Warranty and optional Extended Warranty to support your investment. All of our equipment is supported by a global network of certified Kohler distributor technicians and backed by factory-direct technical support services.

Training
Every Kohler distributor receives technician certification training with Kohler factory instructors in training centers located worldwide. Kohler also hosts training events in Kohler classrooms and labs, as well as on-site training at distributor or customer locations as needed.

Genuine Parts
KOHLER’s genuine parts are built specifically for your generator throughout its life cycle and are available when you need them, wherever you are through our global network of distributors.

Preventative maintenance kits are available to provide all the parts required to complete scheduled maintenance events.

Generator Tech Support
As a single point of contact, your Kohler Key Account Service Manager is dedicated to your project.

Our factory-trained and certified technicians are equipped with the knowledge and latest diagnostic tools to keep your generator up and running with quick, accurate resolutions.

Factory-direct field service engineers support critical installations and field issues as needed.

24/7 service is available nationwide. And hands-on technical support is available from Kohler.

Switchgear Tech Support
Switchgear field service provides 24/7 emergency technical support through our distribution partners.

Qualified technicians are available to respond at a moment’s notice and factory support is available when required.

We build lasting relationships, identify potential risks and mitigate future issues.

Our switchgear support team offers:
- preventative maintenance
- risk assessments
- consistent review of system operations
- proactive equipment upgrades