



KD Series™ Generators

For Industrial Power Systems

700–4000 kW

Total system *integration*

Everything works together.
Just as it should.

Rehiko designs modular components that work together flawlessly. Then, we use these building blocks to engineer a system custom-made for your space. After rigorous factory testing and expert installation, **every part will work harmoniously with the entire system—for decades.**



Rehiko Automatic Transfer Switch
This product automatically switches a building's power source from the main grid to a backup generator during an outage. When normal power is restored, the ATS reconnects to the main supply to ensure continuous power without manual intervention.

Rehiko Remote Annunciator
A monitoring system that provides a user-friendly display of the generator's status.

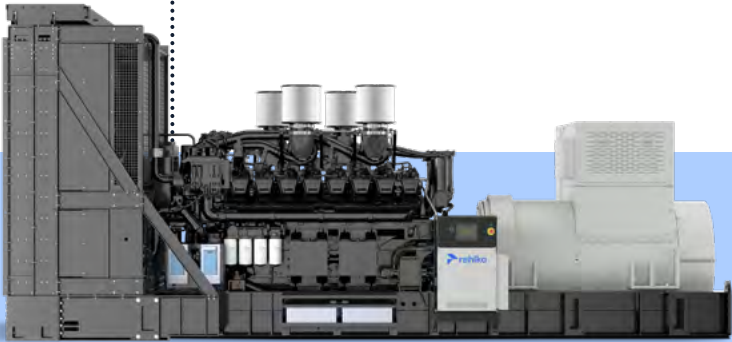
Rehiko supports mission-critical infrastructure during an outage.



Rehiko Paralleling Switchgear
Paralleling switchgear synchronizes multiple generators to work together, sharing the load and ensuring a reliable power supply. It automatically manages the power distribution, balancing the load between sources and allowing seamless transitions.



Rehiko Generators
Rehiko generators come in a range of sizes and can operate in parallel with multiple units. For added protection, Rehiko offers durable enclosures and user-friendly controls with advanced network communications for seamless operation.



KD Series™ Generators

700–4000 kW

Built for the most critical jobs on earth.

Revolutionary and Reliable

With over a century of engineering know-how behind it, our G-Drive engines are built with an eye on the future—designed to last for decades to come. We engineer, test, and fit every single component. And our computer-aided quality-management system oversees every step of development, from the first stage of production through the engine's entire life cycle, to ensure the highest level of quality.

Tested and Approved

Created specifically for generator applications, our G-Drive engines combine power with superior efficiency. Reaching up to 41.7 kW/liter, Rehlko G-Drive engines pair a compact engine form factor with unrivaled kilowatt displacement. All Rehlko generators meet tough industry testing and quality standards (UL2200, CSA, NFPA).

Smooth Running

The Rehlko G-Drive engine runs smoothly, quietly, and with low vibration—even under extreme operating conditions—extending service life and delivering cost-effective performance.

Ultimate Performance

The Rehlko G-Drive diesel engine's architecture, injection system, and engine management have been designed to achieve optimal generator performance.

HVO-Ready

HVO provides a cleaner and more sustainable alternative to conventional diesel and biofuels. No adaptation is needed and both HVO and diesel can be mixed together. HVO is also highly stable with no sensitivity to oxidation, so it can be stored long-term. It is also up to 90% carbon neutral and sourced entirely from waste products.

Fuel-Efficient

The common rail fuel system generates up to 2200-bar injection pressures for maximum efficiency, optimizing the combustion curve through multiple injections. This produces strong kW output while enabling a smaller generator footprint and maintaining fuel-efficient performance across a wide range of operating conditions.

Common Service Part Numbers

A modular system allows us to scale the number of components depending on the power required. Using standard components means fewer parts must be stocked in the field, and operators require less training. This reduces costs and improves response time.

Control and Maintenance

Integrated controls allow for seamless communication and offer remote monitoring through a VPN connection. Easy-access bearing lube points, coolant level optical gauges on both circuits, and oil replenishment systems ensure the generator runs optimally and is easy to maintain.

- 1

Emission-Certified
Clean-running engines, featuring closed crankcase ventilation, meet EPA emissions standards
- 2

Fuel Systems
Common rail injection systems, designed specifically for the Rehlko large diesel range with minimal low temperature fuel return
- 3

High-Ambient 50° Cooling Systems
Designed to meet extreme operating conditions, segmented radiator core sections allow for single replacement instead of entire core
- 4

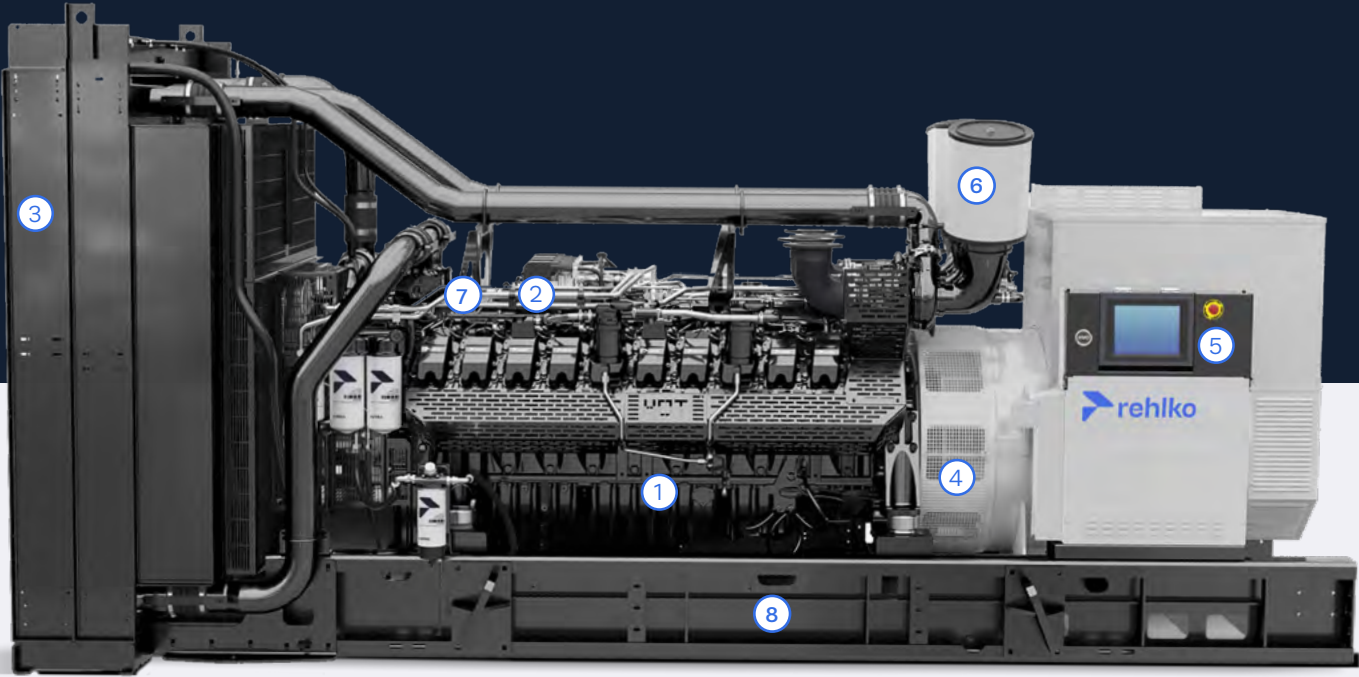
Efficient Alternators
Provide advanced short-circuit capability and meet NEMA MG 1, IEEE, and ANSI standards; multiple alternator options are available, providing increased motor starting capabilities
- 5

Rehlko Controller
Large touch-screen controller with intuitive user interface for paralleling, load, and generator management
- 6

Low Combustion Air
Right-sized turbo chargers require less air to run, creating lower emissions and enabling optimal performance inside an enclosure
- 7

Fuel Pump
Efficiently generates high fuel lift and provides flexibility to configure remote fuel delivery systems
- 8

Options and Accessories
Multiple circuit breakers, battery heaters, block heaters, battery charger, and centrifugal oil filter



KD1750



Model	Standby 60 Hz* (kW/kVA)	Prime 60 Hz (kW/kVA)	RPM	Engine Manufacturer	EPA Emissions	Controllers
KD700	700/875	630/785	1800	Rehlko	Tier 2	APM603/APM802
KD750	750/935	680/850	1800	Rehlko	Tier 2	APM603/APM802
KD800	800/1000	720/900	1800	Rehlko	Tier 2	APM603/APM802
KD900	900/1125	810/1012	1800	Rehlko	Tier 2	APM603/APM802
KD1000	1000/1250	900/1125	1800	Rehlko	Tier 2	APM603/APM802
KD1250	1250/1562	1120/1400	1800	Rehlko	Tier 2	APM603/APM802
KD1350	1350/1687	1210/1512	1800	Rehlko	Tier 2	APM603/APM802
KD1500	1500/1875	1350/1687	1800	Rehlko	Tier 2	APM603/APM802
KD1600	1600/2000	1440/1800	1800	Rehlko	Tier 2	APM603/APM802
KD1750	1750/2187	1580/1975	1800	Rehlko	Tier 2	APM603/APM802
KD2000	2000/2500	1820/2275	1800	Rehlko	Tier 2	APM603/APM802
KD2250	2250/2812	2050/2563	1800	Rehlko	Tier 2	APM603/APM802
KD2500	2500/3125	2270/2837	1800	Rehlko	Tier 2	APM603/APM802
KD2800	2800/3500	2540/3175	1800	Rehlko	Tier 2	APM603/APM802
KD3000	3000/3750	2720/3400	1800	Rehlko	Tier 2	APM603/APM802
KD3250	3250/4063	2950/3688	1800	Rehlko	Tier 2	APM603/APM802
KD4000	4000/5000	3640/4550	1800	Rehlko	Tier 2	APM603/APM802

*Stationary emergency ratings based on 3-phase, 480 V
Single-phase ratings also available. For additional technical
specifications, visit powersystems.rehlko.com

Skin-Tight *Enclosures*

Single source, direct from Rehlko.

If you want to keep the weather out and the noise in, there’s really only one way to go. Rehlko enclosures are bolstered by heavy-duty aluminum and acoustic insulation to protect your investment and keep the noise down. The enclosure design for 800 kW and above includes a sloped roof to increase the life and safety of the generator.

Standard Features

Fitted Enclosures

Sound enclosures feature durable aluminum construction, stainless steel external hardware, and an LED emergency lighting system.

Certified Packages

Enclosures are certified for UL 2200, IBC, and OSHPD up to 2500 kW from the factory, meaning no on-site certifications are needed. Enclosures meet 186-mph wind rating and are impact-rated per Florida Building Code up to 1750 kW.

Quiet Performance

Our enclosures offer acoustic insulation to meet your quiet applications.

Advanced Corrosion Protection

Power Armor is a textured automotive-grade finish that surpasses a 3000-hour salt spray exposure test and resists fading and scratching.

- 1

Service Access
Multiple personnel doors and removable panels offer easy access to generator control, fuel fill, fuel gauge, oil fill, and battery
- 2

Internal Exhaust System
Features insulated exhaust silencer for improved aesthetics, safety, and noise reduction
- 3

Oil and Radiator Drains
Provide an easier, quicker way to service the generator
- 4

Air Inlets
Louvered air inlets limit water ingress and shorten overall length of enclosure
- 5

Slope Roof for 800 kW and Above
Reduces water pooling and increases enclosure life
- 6

Available Accessories
Electrical packages, heaters, motorized louvers, AQMD options, stairs, and more



KD1750 In Skin-Tight Enclosure

eFRAME™ Walk-in Enclosures

Flexible. Reliable. Accessible. Modular. Easy.

The name that stands for more.

Flexible

The eFRAME™ walk-in enclosure is ideal for mission critical applications, including data centers, water utility, and healthcare facilities. Our enclosures accommodate a variety of uses through the optimization of additional features, such as the capability to modify switchboard and breakers to meet customer requirements with additional state/local code options available for the sub-base tank.

Reliable

Each eFRAME™ enclosure goes through rigorous testing and approval to ensure reliability. Receiving the UL 2200 FTPP certification for construction, this modular frame has been designed to meet and withstand over a 135 mph wind load rating. Additionally, its sub-base tank meets UL 142, ULC, and state-specific requirements. Computational Fluid Dynamic (CFD) tools review the enclosure airflow to ensure generators will operate efficiently in the most demanding environments. Our internal engineering analyses are used to optimize cost while ensuring we meet shipping and wind load requirements.

Accessible

Our custom-designed modular enclosures allow for ultimate serviceability and ease of access to the engine and radiator without the need to disconnect, promoting rapid troubleshooting while ensuring continuous power.

Modular

Reduce service costs and downtime with the modular design of our enclosures, which includes an easy-to-remove single-piece roof, making the replacement or service for any generator component quick and easy.



Easy As 1, 2, 3

Just a few simple steps is all it takes!

- 1 Set the tank
- 2 Mount the generator
- 3 Set the enclosure

Learn more at:
powersystems.rehlko.com



Generator *Controllers*

Advanced technology made simple.

At Rehlko, we don't do one size fits all. With our controls, we design custom packages, tailored to your needs, from basic controls to multiple generator paralleling.

Rehlko makes each controller easy to operate, with user-friendly displays and intuitive navigation. Plus, all of our controllers feature advanced network communications for remote monitoring as well as adjustable parameters to accommodate your specific application.

Standard Features

Tested and Approved

Our controls meet NFPA, UL, and CE standards.

Integral Voltage Regulator

Rehlko controllers deliver precise voltage regulation to protect your sensitive equipment from poor power quality.

Alternator Protection

This must-have technology protects the alternator from thermal overload.

Seamless System Integration

Every controller works with our automatic transfer switches and switchgear for complete system integration.

Generator *Controllers*

Innovation that works for you.

APM603

Intelligent Controller

The APM603 genset controller delivers complete control, monitoring, and protection for single or multiple generator sets. With built-in overload and overcurrent safeguards and seamless connectivity to other power systems, it provides advanced functionality that typically requires extra hardware—all in one compact solution.



APM603



APM802

Decision-Maker Model	APM603	APM802
Integral voltage regulator	x	
Engine diagnostics	x	x
Engine starting aid	x	
Event and data logging	x	x
Programming access via laptop	x	x
Key switch	x	
User Interface		
Alphanumeric digital display		
Monochromatic graphical display		
Color graphical display	x	x
Emergency stop (remote)	x	x
Exercise function		
Communications		
Local and remote area network capability	x	x
Monitoring software	o	o
Paralleling		
Remote input for external paralleling controller	x	x
Dead-bus paralleling	x	
Dead-field paralleling	x	
Color graphical display	x	
Synchronizer	x	
Real and reactive load sharing	x	
First-on logic	x	
Circuit breaker control	x	
Base load control	x	
Var/power factor control	x	
Load management	x	
Generator management	x	

KEY: STANDARD = x / OPTION = o

APM802

Digital Controller

The APM802 provides advanced controls, system monitoring, and system diagnostics along with remote access—all in a large touch-screen display with intuitive local data access. All critical system information is available locally, as well as remotely, providing you a real-time view of generator performance.

Sub-Base *Fuel Tanks*

All-weather protection. Heavy-duty performance.

If it's environmental protection you want, you're in the right place. Rehlko tanks feature two containment walls to keep your fuel where it should be—inside.

Standard Features

Environmental Protection

Our tanks are UL-listed secondary containment tanks and can be configured to meet cUL, IBC and other required codes.

Multiple Runtimes

Usable tank capacities provide up to 96 hours of operation.

Custom Options

Choose from alarm panels, spill-fill containments, high fuel switches, tank markings, and more.

Excellent Protection

Power Armor Plus eliminates the need for exterior epoxy treatment and provides excellent abrasion resistance and corrosion protection.

- 1

State Tank Options
Electrical packages, lighting, heaters, motorized louvers, stairs, and more.
- 2

Emergency Pressure-Relief Vents
Ensure proper venting of inner and outer tank during extreme conditions.
- 3

Normal Vent with Cap
Raised above the lockable fuel fill cap.
- 4

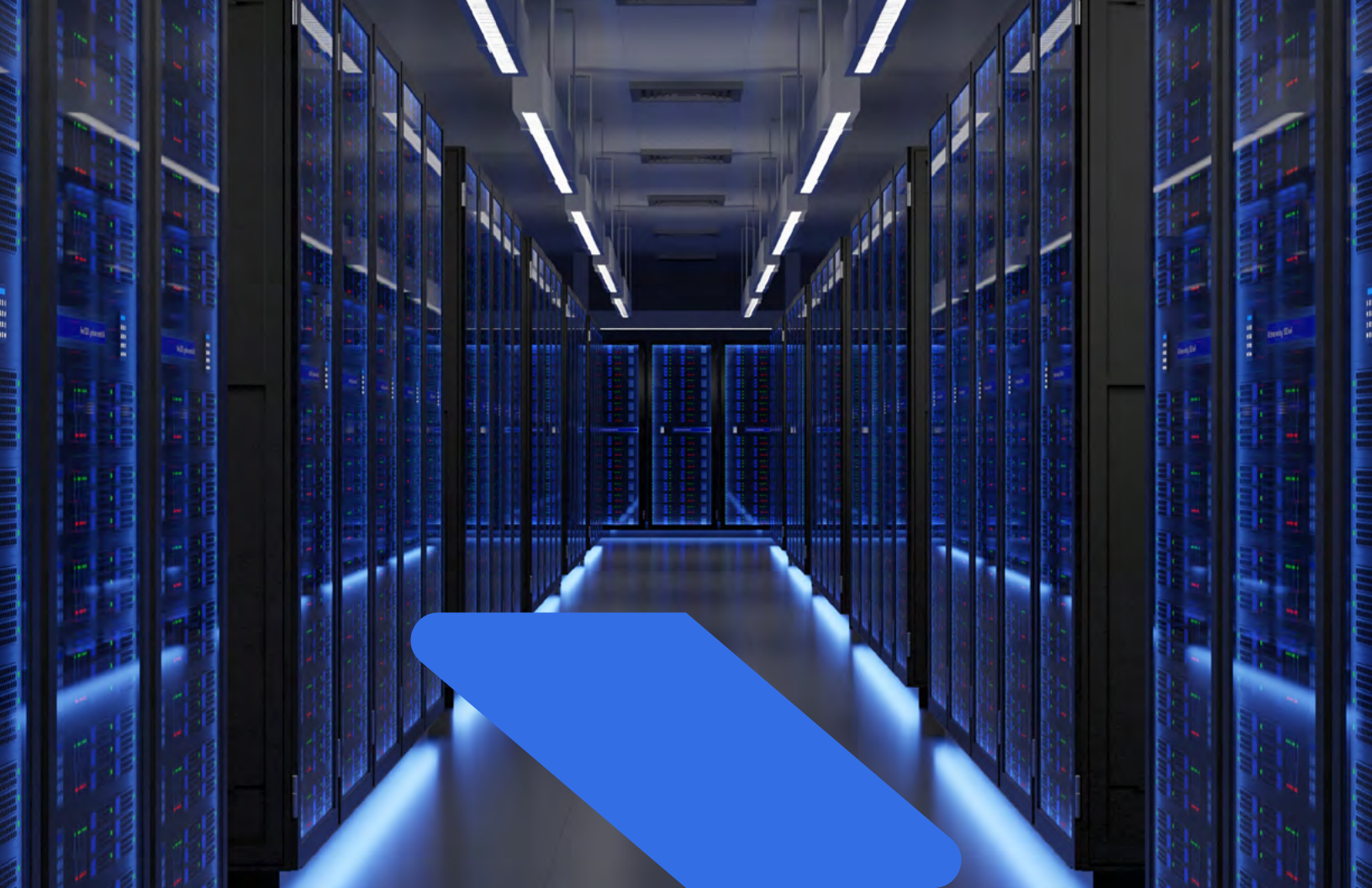
Fuel Switch
Interfaces with controller to provide fuel level indication.
- 5

Leak Detection Switch
Annunciates a contained primary tank fuel leak at generator control.
- 6

Electrical Stub-Up
Features large stub-up area for easy installation.



Sub-Base Fuel Tank



For more information, contact your Rehlko source of supply.
Or call toll-free in the U.S. and Canada 800-544-2444

rehlko

powersystems.rehlko.com

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