

# PowerWAVE Generators



**KOHLER POWER**  
uninterruptible

Single and three-phase standby generators.

24/7 standby power.

### Total power protection solutions

No longer simply a back-up plan, critical power protection is an essential requirement of every business. If critical applications must be available at all times, without downtime, then a standby generator is the only practical source for long-term power protection during an extended mains outage.

Part of the Kohler Company's Global Power Group, KUP leverages Kohler's technical leadership in the global generator industry to provide a comprehensive range of standby diesel generators to deliver reliable power when it's needed most.

### PowerWAVE generators

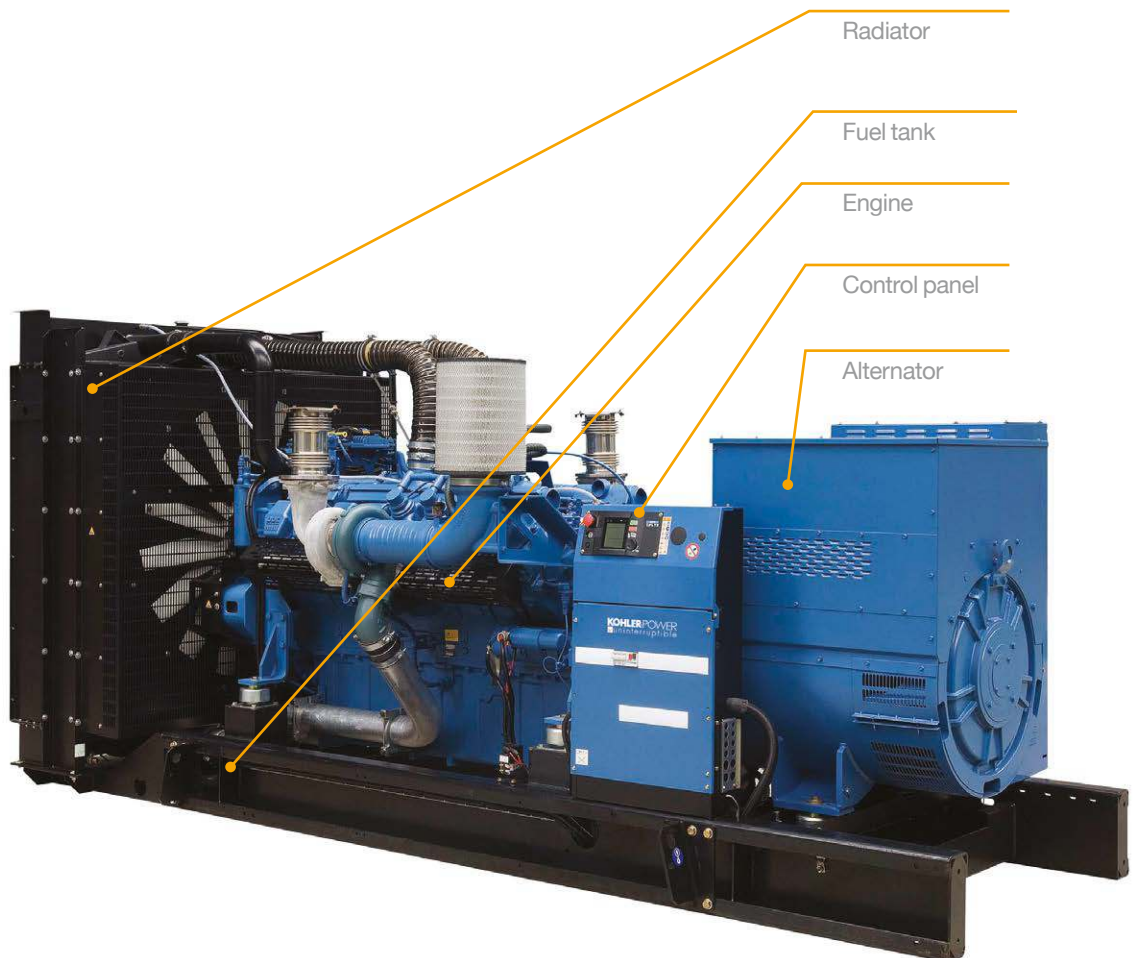
Standby generators for total power protection

Integrated PowerWAVE generators and UPS systems

Fully matched solutions for true, 'no-break', total power protection

Single source installation, technical support and service

A truly turnkey, one-stop-shop for standby power







### Standalone generator

Whether it's a standalone generator or a generator and UPS combined as a total standby power solution, KUP supplies products engineered to the highest specifications for today's commercial environments.

The PowerWAVE generator brand stands for high reliability, low cost and durability. Whether you buy a single generator or a complete solution, all products have the backing of comprehensive technical support, commissioning and maintenance services with excellent service delivery.

### One-stop-shop – installation and services 'turnkey' solution

KUP's turnkey UPS and generator package guarantees both systems are fully matched, which ensures a true no-break supply in the event of a power failure. Turnkey supply and project management ensures the correct sizing of the generator set with respect to the UPS and critical load. Our fully trained service engineers will test the complete installation to verify system integrity, removing the problem of demarcation between different suppliers.

### Reliability and durability

PowerWAVE generators are highly reliable. We only supply products that we know are going to be with you a long time and which will reliably provide you with back-up power when you need it. PowerWAVE generators offer leading-edge control panel technology, versatility, durability, operation and maintenance. Weatherproof enclosures, for example, and protective coverings for vital parts, reduce wear and tear and aid longevity.

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## Acoustic enclosures

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Noise compliant to latest EC directive  
2000/14/EC

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Integral bunded fuel tanks

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KUP's range of acoustic enclosures has been designed to withstand even the harshest and most extreme climate conditions. Their compact design has been developed specifically to save space and costs – a plus for today's streamlined business environments. They are highly transportable, easy to install and due to their integrated cooling system, sound attenuation and silencers are completely self-contained.

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## Bulk fuel tanks

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Environment Agency PPG02 compliant  
Content gauges and overflow alarms

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'Bunding', in a fuel tank, minimises the risk of spillage and offers total security alongside compliance with Environment Agency PPG2 regulations for the storage of diesel fuel. We can provide a wide range of bunded fuel tanks, ready to use. All our tanks are available in different specifications, depending on customer and site requirements. The correct installation of bunded fuel tanks is just as important as the quality of the tank itself. Using single or double-skinned pipework, our team of experts install and test bunded fuel tanks to ensure they are fully compliant with applicable regulations and in complete working order.

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## Bespoke acoustic packages

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Plantroom attenuation  
Acoustic enclosures/containers

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Every installation is different and some require bespoke acoustic engineering. At KUP, we've made it our business to design solutions around the customer and this is evidenced by our ability to customise acoustic packages that include container design, plantroom design, groundworks, mechanical installation, cabling, pipework and associated works required to meet the exact requirements of the installation.

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## PowerWAVE T series

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Single phase (8–17 kVA)

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Three phase (11–22 kVA)

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Powerful series of standby generators available in six models for single and three-phase business applications. Each generator is built with a high performance Mitsubishi engine for reduced noise pollution and improved fuel efficiency. Available as an 'open' generator or within an acoustic enclosure to further minimise noise emissions. Standard and DW24 tank options.

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## PowerWAVE J series

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Three phase (22–250 kVA)

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Series of three-phase UPS generators providing power from 22 to 250 kVA. Each generator is powered by a John Deere engine for reliable backup during power failures. Bunded fuel tank minimises diesel spillage, with additional fuel tank capacity to extend run time. Models available for commercial and industrial use. Standard, DW24 and DW48 tank options.

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## PowerWAVE D series

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Three phase (275–830 kVA)

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Power products generating set, equipped with a DOOSAN engine. Standard and DW24 tank options.

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## PowerWAVE K series

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Single phase (6–26 kVA)

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Three phase (9–44 kVA)

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Reliable series of single and three-phase standby generators from 6 kVA to 44 kVA. Each generator is built with a high-performance Kohler engine to help you achieve more. Available as an 'open' generator or within an acoustic enclosure to further minimise noise emissions.

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## PowerWAVE V series

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Three phase (275–700 kVA)

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High specification range of UPS generators providing 'turnkey' backup power with APM control panels fitted as standard. Each generator is powered by a Volvo engine. Built-in fault-finding tools and remote operation for a reliable power supply during mains failures. Available 'open' or within a weatherproof enclosure for added protection from the elements. Standard and DW24 tank options.

All sets available open or canopied.

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## Your choice of control

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Most generators supplied by KUP have a choice of control panel options. Generators these days are extremely reliable with almost all enabling both automatic and manual operation. The choice of an appropriate control panel is therefore down to how much additional monitoring is desired. A more advanced control panel offers enhanced user-friendliness and diagnostics capability. It does all this with a reduced number of buttons, thus simplifying operation.

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## Changeover panels

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KUP provide a choice of two high quality automatic changeover panels – the VERSO 100 and 200 – to enable automatic start-up of the standby generator and safe, fast transfer of the load in the event of a mains power cut. When mains power is restored, these changeover panels will automatically disconnect the generator and connect the load back to the mains.

The VERSO 100 is rated for applications from 35 to 160 amp.

The VERSO 200 is rated for higher applications from 200 to 1600 amp and has the additional benefit of an LCD, allowing the voltage and frequency parameters on both the mains and generator sides to be simultaneously displayed.



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### APM 303 control panel

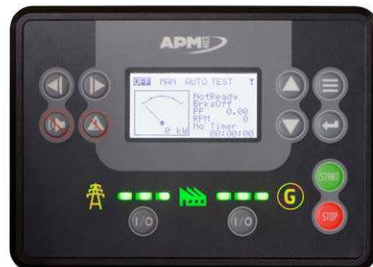
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Entry level control panel

LCD screen for basic engine and alternator operational parameters

LED alarm and fault indication

Our entry level product is the APM 303 panel. APM 303 is fitted as standard on all PowerWAVE T and J series standby generators. It provides both manual and automatic operational control of the generator and provides a basic indication of operational parameters, as well as alarm and fault indication via its standard LCD screen. Additionally, LED indication of alarms and faults are also provided.



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### APM 403 control panel

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Control panel for remote monitoring

Graphical LCD Screen

Messages for alarms and faults

The APM403 panel is fitted as standard on all PowerWAVE V and D Series standby generators. This control panel is designed for low voltage industrial diesel generator sets and its remote management and supervision functions allows monitoring and even operation at anytime, anywhere. The APM403 control panel is simple to use and comes with built in intuitive configurations to cater to different backup system setups.



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### APM 802 control panel

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Advanced control panel

Large colour graphical touch display

Continuous 24-hour data logging

The APM802 panel is fitted as an option on PowerWAVE V and D Series standby generators. This advanced control panel provides system monitoring, and system diagnostics for optimum performance. It uses software logic to manage alternator thermal overload protection features normally requiring additional hardware.



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