



POWERING YOUR SUCCESS

www.rapidpowergen.com



POWER SOLUTION EXPERTS.

Rapid Power Generation Ltd, formerly A1 Power Systems Ltd, manufacture generating sets from 10kVA – 2500kVA, at a state-of-the-art manufacturing facility in County Armagh, Northern Ireland. With over 30 years of knowledge and experience in the world of diesel power generation, Rapid Power Generation cover all aspects of the generator industry.

CUSTOM FIT POWER SPECIALISTS

Rapid Power Generation are a dedicated team of engineers with a broad range of theoretical and practical experience. This combination enables us to provide our customers with a totally custom-fit power solution.

Our experienced and highly qualified team of engineers design and manufacture bespoke, cost effective generators to meet every specific need of our customers.



ENGINES, ALTERNATORS & CONTROLS

Rapid Power Generation are proud to use only **premium, world-renowned brands** of engines, alternators and controls.

GENERATORS

At Rapid Power Generation, we're proud to manufacture all our diesel powered generators in-house, from 10 kVA to 2500 kVA. All generators come complete with 1 years manufacturing warranty and all components are CE accredited.

We have the capabilities and expertise to create a custom fit solution for every requirement, including, but not limited to:

- Engine options.
- Alternator options.
- Control panel options.
- Open frame options.
- Silenced options.
- Fuel tank options.



EVERY GENERATOR COVERED

1

Open Set
Generators

2

Soundproof
Canopied
Generators

3

Containerised
Generators

GENERATOR RANGE



OPEN SET GENERATORS

- Mechanical or electronic speed governors.
- Engine sump drain pipe or pump.
- 3 Phase AC alternator complete with AVR controls.
- Base frame with various earthing points.
- Vibration isolators located between engine/alternator and base frame.
- Base frame optional bunded fuel tank complete with filler cap, flexible fuel lines and level gauge.
- Industrial exhaust fitted or supplied loose.
- Heavy duty starting batteries on battery rack and fixing bracket located on base frame complete with battery cables and earth strap.
- Wiring harnesses fitted to engine and alternator and carried back to control panel.
- Control Panels (Key start, Auto start, Automatic Mains Failure (AMF) or Synchronised) complete with emergency stop and lock push button, 3/4 pole circuit breaker and starting panel mounted on panel uprights and fitted to chassis.



SOUNDPROOF CANOPIED GENERATORS

Rapid Power Generation enclosures have been designed and developed by our own specialist engineers to reduce sound levels and comply with current EC Directives

Our enclosures incorporate the quality features below:

- Sound-proofed.
- Fully weatherproofed.
- Bunded Base Fuel Tank.
- Control panel viewing window in lockable door.
- Enclosed exhaust system.
- Excellent access for maintenance.
- Robust construction.
- Highly corrosive resistant.
- Lockable doors.
- Fuel fill and battery can only be reached via lockable access door.
- Optional forklift pockets.
- Optional single point lift.

Our enclosures are built to withstand the tough handling common on construction sites, due to their extremely rugged construction. Our enclosures are of modular design with many interchangeable components for onsite repair if permitted.



CONTAINERISED GENERATORS

Optional Equipment:

- Internal bulk tank
- Internal/External exhaust silencer kits.
- Fire suppression systems
- Bunded floor
- Fuel fill point (Landon Kingsway or equal)
- Cable entry point complete with engine shutdown (if entry is opened whilst generator is running)
- Colours
- Fork pockets
- Side wall connections for external bulk storage fuel tank entry
- Side wall cable connection enclosures.

(Various dBA levels 55-80 @ 1 Metre. FFC)

Rapid Power Generation walk-in containers are robustly constructed and provide sound attenuation, ventilation and weather protection for the generator and equipment. Standard sizes are; 10ft, 20ft, 30ft & 40ft, but can be made to non standard lengths as well as standard 8ft high containers or high cube.

Positioning of access doors (i.e. 1 per side or at rear beside air intake louvers) are to customers preference. Doors are complete with internal panic release buttons (luminous) and black coated "slam" type door handles. External emergency stops are fitted on both sides of containers (Optional). Emergency LED bulkhead and LED fittings.

Socket outlets for maintenance. 1no. consumer unit complete with MCB's and RCDs.

TOTAL POWER SOLUTIONS

KNOWLEDGE & EXPERIENCE COUNTS:

- We have 30 years' experience in power generation, as manufacturers and service providers supplying advanced components across all sectors.
- We have the financial stability, infrastructure and resources to provide a world-class service to all generator owners.
- Regardless of the number, manufacture and location of your generators, you can now rely on one partner.

DIESEL GENERATOR SERVICE & MAINTENANCE:

Rapid Power Generation is your single-point supplier of essential maintenance and service, with the skills and knowledge to ensure that your generators not only provide standby power when you most need it but also meet the latest environmental and safety legislation.

CHALLENGE & DIVERSITY:

Rapid Power Generation service and maintain a wide range of Diesel generators, ranging from 10kVA to 2500kVA, from the world's leading premium engine manufacturers.

FULL SERVICE & MAINTENANCE SERVICES AVAILABLE:

- Load bank testing
- Full maintenance reports
- Spare parts can be shipped overnight to reduce customer downtime
- Strip down inspection reports
- Genuine 24/7 call out service
- We also have our own overhaul and testing facilities.



MAINTENANCE

Welcome to the future of generator support.

1

CONTRACTUAL SERVICE AGREEMENT

- Incorporates all maintenance inspections.
- All electrical and mechanical servicing
- Can be expanded to include component replacement and call out
- Load bank testing option available
- Fixed monthly, or annual payments
- Extended warranty contracts available
- Installation and operation of data collection equipment to enable preventive maintenance procedures to be applied.

2

GENERATOR FLEET MAINTENANCE

If you have multiple generator installations at a variety of locations, we can manage your fleet to optimise your resources and maximise availability of your equipment. We will manage the logistics planning of maintenance, overhaul and emergency intervention, to prevent the consequences of emergency power generator failure.

3

PREVENTATIVE MAINTENANCE

On a quarterly or bi-annual basis, we can provide scheduled maintenance inspections for your generator package, including all consumable items. Service dates and times will be mutually agreed to reduce the impact of equipment downtime.

4

MAINTENANCE INSPECTIONS 24/7 CALLOUT SERVICE

All enquiries and call-outs are handled by our own in-house team, not by a remote call centre. Our fully trained field service engineers have years of hands-on experience in all aspects of the operation and maintenance of diesel generator equipment. Strategically located and available 24 hours a day, 7 days a week, our team can provide:

- Emergency intervention
- Emergency generator hire
- Customised maintenance inspection programs setting new standards in customer care
- Monthly, quarterly, bi-annual and annual inspections
- Relay logic and PLC control system inspection
- Work on all associated generator equipment
- Independent inspections of all OEM equipment

Rapid Power Generation also carry sufficient spare parts to achieve a successful outcome to their visit. There is no guesswork when it comes to providing parts, even for older equipment, as our technical advisors can consult extensive archives.



PROJECT GALLERY

SECURE POWER FOR CRITICAL APPLICATIONS:

- Computer and internet stations
- Telecom and transmitters
- Oil and gas industry
- Chemical industry
- Banking and finance sector
- Water and electric utilities
- Hospitals and healthcare
- Food manufacturing
- Retail and distribution
- Airports and transport
- Materials Handling
- Crushing and Screening
- Recycling Equipment



WATER PUMPING STATION, N. IRELAND.



HOTEL INDUSTRY, N. IRELAND.



NURSING HOME , N. IRELAND



GET IN TOUCH.

CORPORATE HEADQUARTERS



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