

MACGEN POWER GENERATION





Leading power generation specialist providing sales, service and maintenance of mobile and static generator units to clients worldwide

MacGen Power Generation Ltd employs a team of fully-qualified personnel to deal with all aspects of the sale and service of its generators worldwide.

With a large and varied range of power generating sets in stock, as well as a comprehensive series of parts and spares to suit, we pride ourselves on being able to meet and exceed our customers' needs, whatever the environment or purpose.

The Range

MacGen's range of generators are provided in a compact and lightweight package, supplying reliable power with low impact designs to suit any application or site. With Industrial, Rental, Gas, Heavy and PTO generators available, the range is extensive, catering for both domestic and industrial customers.

Each generator is available in 50 or 60Hz and is fitted with electronic controllers and a display panel providing ease of use, optimising control over the system.

Manufactured in sizes from 2.7kVA to 2200kVA, MacGen generators are available as either openskid, supersilenced, or containerised models which all comply with current European generator standards. Automatic Mains Failure systems are available as an optional addition to complement any of the generators in our range.

MacGen Canopies

All canopied MacGen generators provide full protection of internal parts and ensure the highest levels of soundproofing to comply with all current European standards. They come with bundled bases incorporating 110% fluid containment. In addition, each of the models in our range are fitted with heavy duty forklift pockets and a central lifting point on top of the set to maximise mobility and ease installation.

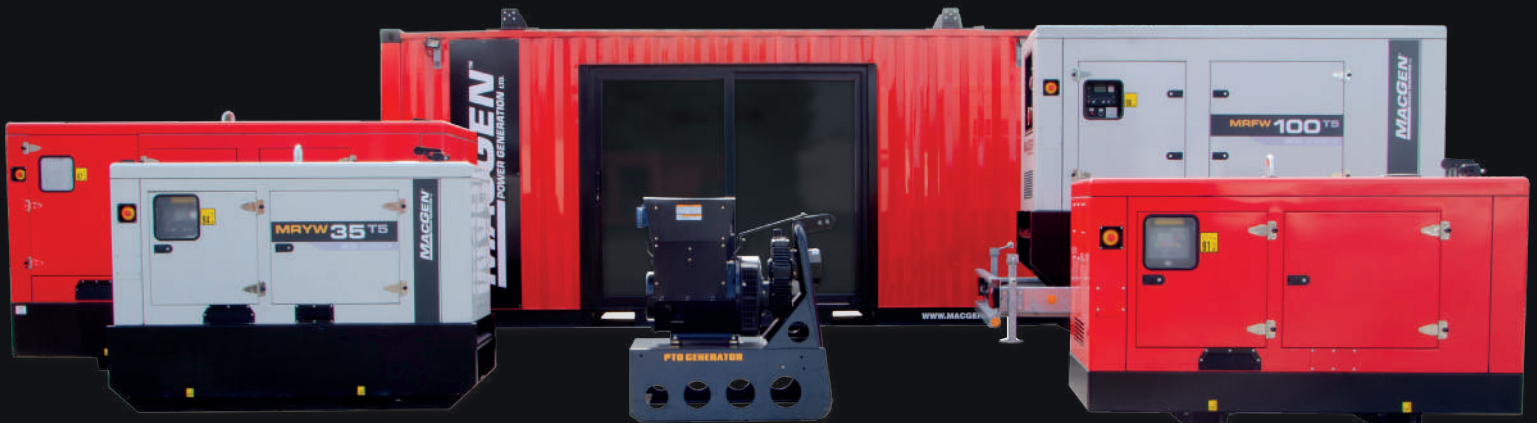
Application

Our generators can be used for an extensive range of applications. From supermarkets, hotels, schools, business offices and factories to quarry and waste management services, MacGen have a generator to suit your needs. We also supply to company hire fleets.



SUPPLYING THESE INDUSTRIES

- INDUSTRIAL • COMMERCIAL • RETAIL • CONSTRUCTION
- AGRICULTURAL • RESIDENTIAL • HEALTHCARE • MARINE
- DATA CENTRE • UTILITIES • TELECOM • MINING & MANY MORE



INDUSTRIAL RANGE

FOR A QUOTE, CONTACT
UK +44 (0) 28 2954 2500
IRE +353 (0) 1801 5775

AVAILABLE FROM
8KVA TO 750KVA



MacGen's industrial range has been designed to ensure the highest performance in any application. It can be used to supply energy continuously, for peak shavings or in an emergency, within the industrial, commercial and residential sectors.

→ GENERATOR SET FEATURES

Engine

- Diesel engine
- 4-stroke cycle
- Water-cooled
- 12V electrical system
- Radiator with blower fan
- Water separator filter (visible level)
- Mechanical governor
- Dry air filter
- Hot parts protection
- Moving parts protection

Alternator

- Self-excited and self-regulated
- IP23 protection
- H class insulation

Electrical System

- Electric control and power panel with measurements devices and control unit
- 4-pole thermal magnetic circuit breaker
- Adjustable earth leakage protection standard with thermal magnetic protection
- Battery charger
- Heating resistor
- Battery charger alternator with ground connection
- Starter battery/ies installed
- Ground connection electrical installation with connection ready for ground spike (not supplied)

→ ADDITIONAL OPTIONS

- Auto start packages
 - Synchronised options (Gen to Gen / Gen to Mains)
 - Heavy duty lift & drag skids
 - Dual & multi-voltage socket packs
 - 3-way fuel bulk tank kit
 - High capacity fuel tank
 - Fast tow trailer unit
 - Water fuel pre-filters
 - Switchable dual frequency
 - Remote monitoring & control systems
 - Water jacket heater
 - Battery trickle charger
 - Programmable timer
 - Low water level sensor
 - Marine grade alternators
 - PMG on alternators
 - Customised canopy colours
- Many more options available on request

↓ ENGINES AVAILABLE

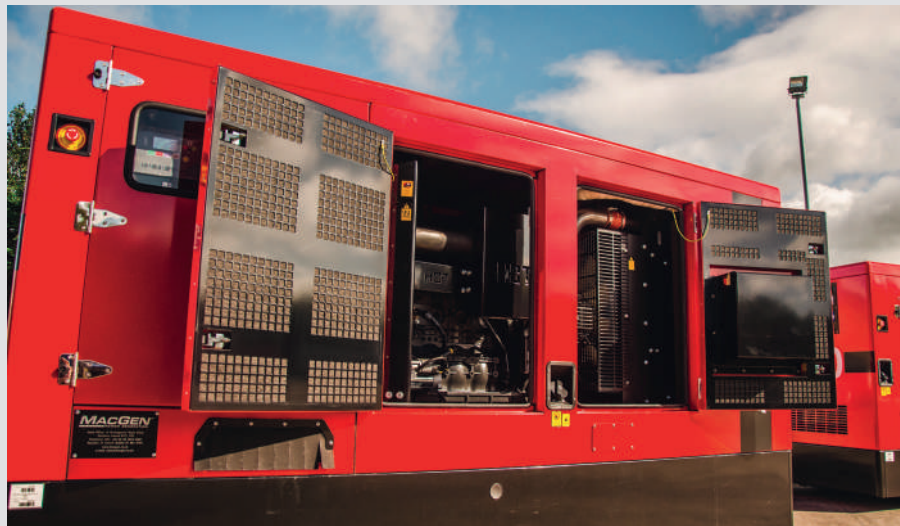

YANMAR


FPT
POWERTRAIN TECHNOLOGIES


SCANIA


mtu


DOOSAN



AVAILABLE IN CANOPIED OR OPENSKID. 50/60HZ

INDUSTRIAL RANGE

RENTAL RANGE

FOR A QUOTE, CONTACT
 UK +44 (0) 28 2954 2500
 IRE +353 (0) 1801 5775

AVAILABLE FROM
 20KVA TO 1300KVA



↓
 MacGen generator sets combine the robustness and versatility that rental companies require. Our equipment is designed for use in applications of all kinds: from generator sets for the construction, mining or oil sectors, to generators for concerts and large events, which require gigawatts of power on demand for limited periods.

→ GENERATOR SET FEATURES

Engine

- Diesel engine
- 4-stroke cycle
- Water-cooled
- 12V electrical system
- Radiator with blower fan
- Water separator filter (no visible level)
- Electronic governor
- ATA sensor
- BPA sensor
- Radiator water level sensor
- Dry air filter
- Hot parts protection
- Moving parts protection

Electrical System

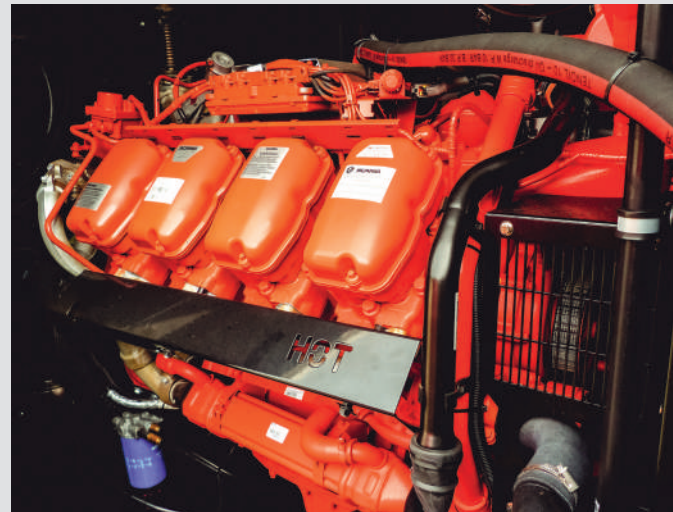
- M5 control panel with electronic CEM7 control unit and switched emergency stop
- Power panel with built-in circuit breaker plates
- Safety relay in output terminal board
- Battery isolator
- Adjustable earth leakage protection standard with thermal magnetic protection
- 4-pole thermal magnetic circuit breaker
- Battery charger alternator with ground connection
- Starter battery/ies installed
- Ground connection electrical installation with connection ready for ground spike (not supplied)

Alternator

- Self-excited and self-regulated
- IP23 protection
- H class insulation

→ ADDITIONAL OPTIONS

- Auto start packages
- Synchronised options (Gen to Gen / Gen to Mains)
- Heavy duty lift & drag skids
- Dual & multi-voltage socket packs
- 3-way fuel bulk tank kit
- High capacity fuel tank
- Fast tow trailer unit
- Water fuel pre-filters
- Switchable dual frequency
- Remote monitoring & control systems
- Water jacket heater
- Battery trickle charger
- Programmable timer
- Low water level sensor
- Marine grade alternators
- PMG on alternators
- Customised canopy colours



↓ ENGINES AVAILABLE



RENTAL RANGE

AVAILABLE IN CANOPY. 50/60HZ

⚡⚡⚡ GAS RANGE

FOR A QUOTE, CONTACT
 UK +44 (0) 28 2954 2500
 IRE +353 (0) 1801 5775

AVAILABLE FROM
 12KVA TO 1893KVA



MacGen supplies gas generator sets with a wide power range, from 12 kW up to 1893 kW. Running on Natural Gas or LPG, environmentally friendly fuels, they provide an ongoing supply of power that not only reduces emissions of CO, CO² and particles into the atmosphere, but also of noise.

→ GENERATOR SET FEATURES

Engine

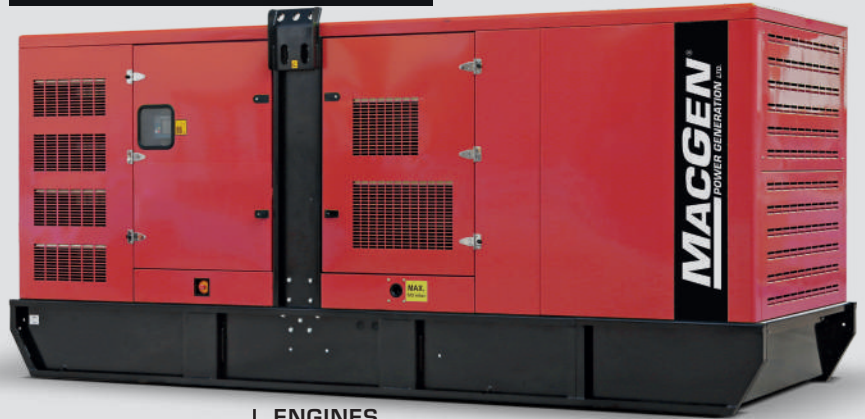
- Natural Gas or LPG engine
- 4-stroke cycle
- Water-cooled
- 12V electrical system
- Dry air filter
- Radiator with pusher fan
- HTW sender
- LOP sender
- Electronic governor
- Hot parts protection
- Moving parts protection

Electrical System

- Electric control and power panel with measurements devices and control unit
- 4-pole thermal magnetic circuit breaker
- Battery switch
- Battery charger
- Heating resistor
- Battery charger alternator with ground connection
- Starter battery/ies installed
- Ground connection electrical installation with connection supplied

Alternator

- Self-excited and self-regulated
- 4 poles
- AVR governor
- IP23 protection
- H class insulation
- Single drive-shaft
- Flexible disc coupling



↓ ENGINES AVAILABLE



GAS RANGE

AVAILABLE IN CANOPY. 50/60HZ

⚡⚡⚡ HEAVY RANGE

AVAILABLE FROM
 670KVA TO 3531KVA



The heavy range of generator sets are the power workhorses that institutions, hospitals or financial organisations need. A power outage of a few minutes can incur substantial financial losses or have serious consequences for the safety of patients in a hospital. High-power generators are required to supply emergency power to such organisations, so when a power cut occurs, our Heavy Range will provide the support needed to avoid disruption.

→ GENERATOR SET FEATURES

Engine

- Standard air filter
- Standard fuel filter
- Standard oil filter
- Electronic management (ADEC)
- Coolant level sender
- Exhaust gas compensator
- Diesel engine
- 4 strokes-cycle
- Water-cooled
- 24V Electrical system

- Radiator with blowing fan
- Sender WT
- Senders OP
- Hot parts protection
- Moving parts protection

Alternator

- Self-excited and self-regulated
- IP23 protection degree
- Insulation H class

→ ADDITIONAL OPTIONS

- Control panel and emergency stop button
- Power panel
- Battery charger
- Pre-heating resistance
- Battery charge alternator with ground connection
- Starting battery/ies installed and connected to the engine
- Ground connection electrical installation with connection ready for ground pike
- 4 poles circuit breaker
- Power panel with safety protection in output terminal box
- Maintenance-free and anti-blast battery
- Battery isolator

↓ ENGINES AVAILABLE



HEAVY RANGE

AVAILABLE AS CONTAINERISED OR OPENSKID. 50/60HZ

PTO RANGE

FOR A QUOTE, CONTACT
 UK +44 (0) 28 2954 2500
 IRE +353 (0) 1801 5775

A generator is basically an engine and an alternator.

If you have a tractor, you already have a powerful engine ready to be connected to your driveshaft. You're simply missing the alternator to convert the engine power into electricity. PTO generators are the perfect solution for portable power on or around a farm. You can operate power tools far from distant utility poles. Plus, you can use a manual transfer switch to restore power to a house, barn or building during an outage.

All Macgen PTO generators come as standard with removable 3-point linkage & bolt-down slots for fixed operation

	SIZE	POWER OUTPUT	FREQ.	INPUT SPEED	VOLTAGE	SOCKET CONFIG.
MTR030-1	30kVA	30kVA / 30kW	50Hz	540rpm	230V	1 x 125A / 1 x 32A
MTR040-1	40kVA	40kVA / 40kW				
MTR045-1	45kVA	45kVA / 45kW				
MTR030-3	38kVA	38kVA / 30kW			400V	1 x 125A / 1 x 16A
MTR050-3	62kVA	62kVA / 50kW				
MTR060-3	75kVA	75kVA / 60kW				



POWER TAKE OFF



AVAILABLE IN BOTH SINGLE AND THREE PHASE

ALL MACGEN PTO GENERATORS COME COMPLETE WITH PTO SHAFTS & IP67 PLUGS

PTO RANGE

SPARE PARTS

We stock a vast range of filters, engine parts, alternator parts, canopy parts, electrical parts and controllers

To ensure the provision of power from your generator, the MacGen service network can quickly provide parts, service and technical support and all our deliveries can be tracked via our certified couriers. Spare parts support is vital to all MacGen customers. At our central parts warehouse in Kilrea we stock in excess of 5,000 line items for all the leading engine brands.

→ To book a service or order parts send us an email at parts@macgen.co.uk



↓ PARTS AVAILABLE





SERVICE & SUPPORT



MacGen has earned a reputation for service and industry expertise with a network of engineers ready to respond to callouts and service requirements every day. Providing a swift response which has helped build and maintain a worldwide client base, MacGen excel at both supplying the best products as well as supporting them from the point of delivery.

Fully equipped to carry out a complete range of generator servicing to both MacGen and competitor models throughout the UK, Ireland and Europe wide, we can also provide service contracts to meet the individual needs of our customers.

→ **To book a service or order parts send us an email at parts@macgen.co.uk**

SERVICE & SUPPORT

⚡⚡⚡ GET IN TOUCH

HEAD OFFICE

14 DRUMAGARNER ROAD
KILREA
NORTHERN IRELAND
BT51 5TB

+44 (0) 28 2954 2500 (UK/NI)
+353 (0) 2149 62500 (CORK)
+353 (0) 1801 5775 (DUBLIN)

+44 (0) 7519 105 805 (UK/NI SALES MANAGER)
+353 (0) 8607 61728 (ROI SALES MANAGER)

SALES@MACGEN.CO.UK



LEADING IN POWER

WWW.MACGEN.CO.UK

 @macgenpower

 MacGen Power Generation Ltd

 MacGen Power Generation Ltd