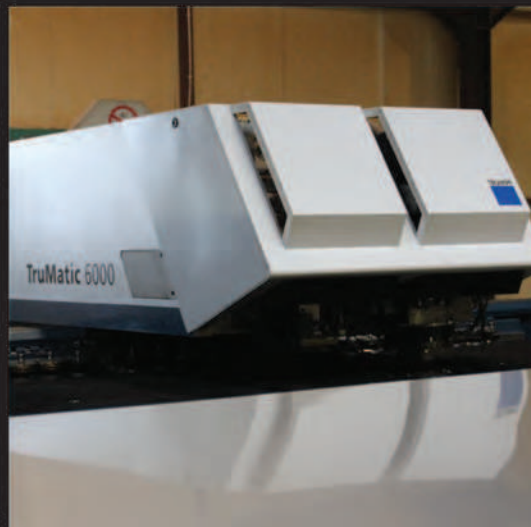




CONTAINER ENCLOSURE



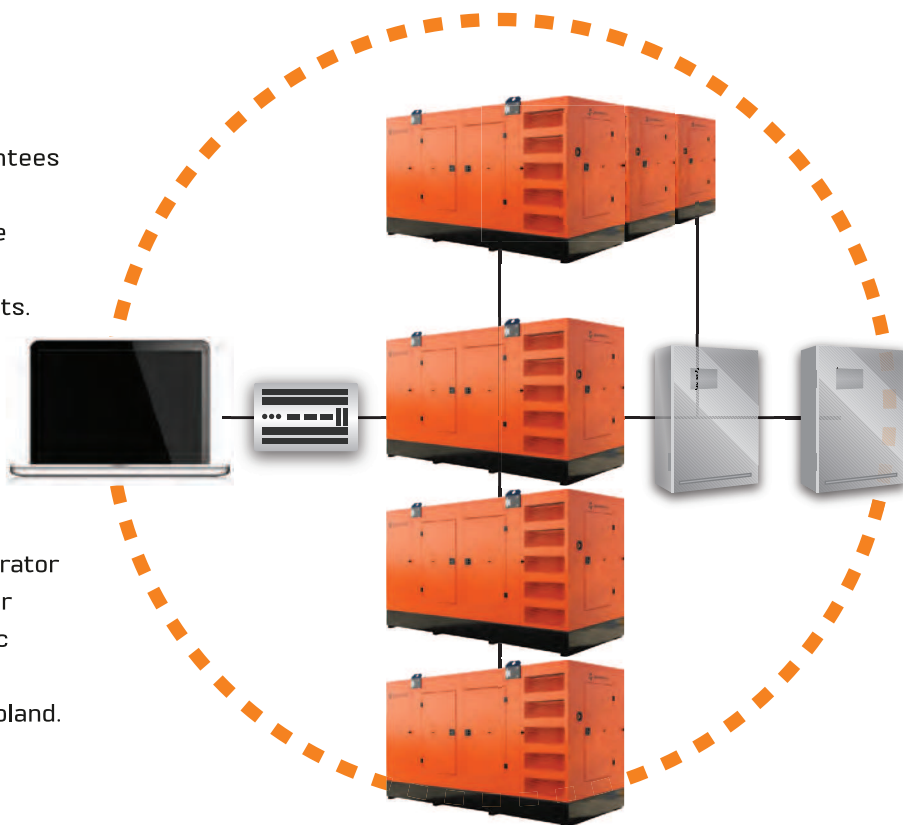
Trusted supplier and local partnership

With over 10 years of experience in the production of Power Generator Sets, we can easily adjust appropriate technology of production, transfer and control of energy needs for our customers – both, continuous – as the main source of energy during the rental in the topmost period, or the entire power complex.

Our distributor network and service guarantees security of power systems independently regardless of the location, at the same time providing fast access to reliable services, engineering expertise and replacement parts.

Fully integrated power systems.

GENPOWER is a pioneer in the design and production field of specialised Power Generator Sets from 2 kVA to 3300 kVA. All the major components, except for engine and electric generator – are designed and produced in several GENPOWER departments within Poland.



What makes us different?

GENPOWER is more than innovative technologies that meet your expectations. The main difference is our staff and customer service.

Relations

In GENPOWER we are in constant contact with people whom you can trust and rely on. Wherever and whenever you need us, we'll be there for you.

Investment profit

GENPOWER, the company operating as a designer, manufacturer, supplier and contractor has a very firm business model that provides financial synergy at each implementation phase of the project. It is a good way to draw the benefits out of our strong balance – reusing income in a full circle enables reaching unprecedented turn from an investment.

Reliability

When you need serious energy source – please be sure that we deliver unmatched reliability. We do what we say and much more – we keep our promises.

Flexibility

We guarantee a quick response on the same day, complex solutions, quick delivery, start-up procedure and 24/7 customer service.

Container Enclosures:

Aiming towards our customers' constantly increasing demands, as well as meeting expectations for the continuous improvement and increasing range of our products, GENPOWER is proud to present the full range of container enclosures. The enclosures are designed mainly for the genset installations, additionally as a space for switchboards and support fuel tanks. Enclosures are compatible with all genset types and may vary in size and equipment. Our goal is to create the product that is perfectly suitable for customers' needs. Integrated processes of design and production, along with constant cooperation with the customer allows us achieving the final product, which represents our knowledge, experience, reliability and quality. Power generation sets are based on diesel engines from different manufacturers such as VOLVO, IVECO, PERKINS, MTU, DOOSAN and others. These renowned brands along with solid container enclosures guarantee a long service life. Various sizes of containers allow the installation of gensets with different power ratings.

Generator sets installed in container enclosures present many advantages, more than installations in standard types of enclosures. Above all, the container is made of CORTEN type steel, which is a special low-alloy steel. When exposed to weather conditions it automatically creates a rust protective coating. This technique extends a long terms service of the product. Moreover, the enclosures protect from unauthorized access and eliminate noise. The soundproof level depends on unit power ratings and type of insulation. The levels and related installations are individually selected for the purposes of the particular project and adequate technical specifications.

Containers are equipped with all the necessary devices to ensure proper functionality of generator sets: exhaust system, soundproofing system, fuel and electrical systems. Automatic control system is responsible for monitoring and operations. There is always an option of upgrading with the most advanced equipment – everything to fulfil the most demanding expectations.



K10 based container enclosures

Container enclosures based on 10' containers are mainly designed for 30 – 130 kVA power generators. These constructions are solid-built and dedicated for the facilities with a low electricity demands, providing better protection from unauthorized access and noise. Also for those with greater fuel demand and those limited by the amount of additional equipment, e.g. standard enclosure (i.g. in telecommunication). Another use of such a type of container enclosure can be an additional fuel storage or switchboard for another genset.

KIOS type container:

- Based on 10' container
- Compact, standardised dimensions for easy load and transport
- Construction made of CORTEN type steel
- Easy access to all the main elements of genset control
- Easy access for service and maintenance
- Components protected inside the container to ensure safety from damage
- Sound and thermal insulation of container walls to decrease noise levels and cooling down
- Easy access to power plugs
- KIO type offers many other options

Increased demands for the low noise performance and thermal isolation capabilities caused a need for development of a new version of enclosure based on KIOS. It is the KIOC type container of higher standards. It is a fully automatic base for power generation sets. New solutions incorporated within KIOC containers provide less-noise emissions, improved thermal insulation (hence lower use of electricity for container heating), and more advanced equipment than in previous KIOS type. Their performance has been proved in many installations and tested by the independent research centres.



K20 based container enclosures

Container enclosures based on 20' containers are mainly designed for 130 – 800 kVA power generators. These constructions are made to meet the demands of better protection from unauthorized access, noise and greater fuel storage.

K20S type container:

- Based on 20' container
- Compact, standardised dimensions for easy load and transport
- Construction made of CORTEN type steel
- Easy access to all the main elements of genset control
- Easy access for service and maintenance
- Components protected inside the container to ensure safety from damage
- Sound and thermal insulation of container walls to decrease noise levels and cooling down
- Easy access to power plugs
- Additional fuel tanks
- K10 type offers many other options

Increased demands for the low noise performance and thermal isolation capabilities caused a need for development of a new version of enclosure based on K20S. It is the K20C type container of higher standards. It is a fully automatic base for power generation sets. New solutions incorporated within K20C containers provide less-noise emissions, improved thermal insulation (hence lower use of electricity for container heating), and more advanced equipment than in previous K20S type. Their performance has been proved in many installations and tested by the independent research centres.

Benefits of K20C type container:

- Guaranteed maximum noise level at a distance of 7 m: 66 dBA*
- Guaranteed container internal temperature of +5°C at the external temperature of -30°C
- External lockable genset control panel
- Additional optional monitoring and control systems

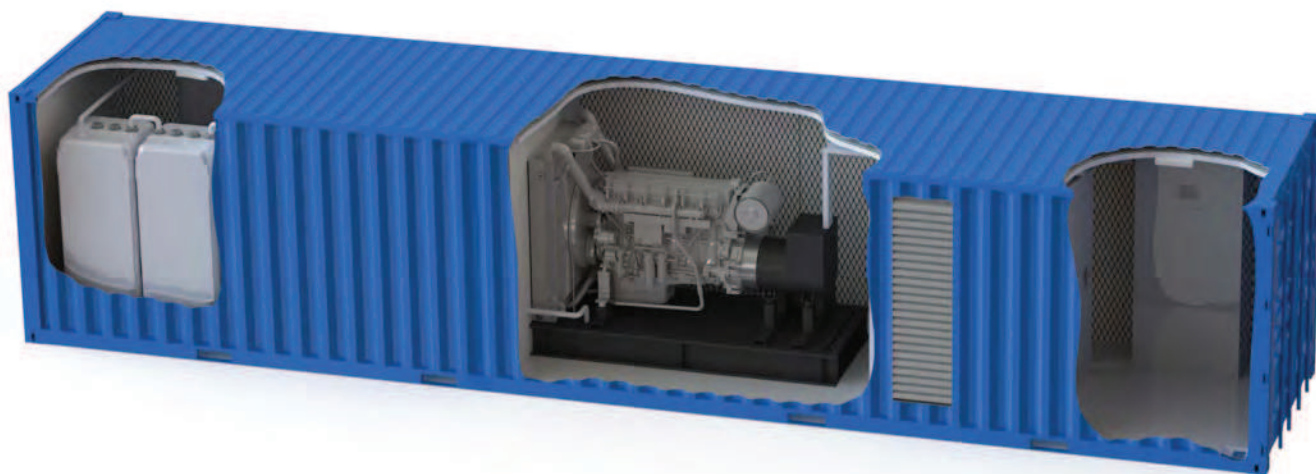


K40 based container enclosures

Container enclosures based on 40' containers are mainly designed for 800 kVA power generators and above. However, it is also suitable for those of less power ratings where more capacity for fuel or switchboard is needed.

Similar as in the previous types of containers, two versions are available – K40S and K40C.

The K40C type container is of higher standards. It is a fully automatic base for power generation sets. New solutions incorporated within K40C containers provide less-noise emissions, improved thermal insulation (hence lower use of electricity for container heating), and more advanced equipment than in standard types.



GW-ATS and GC-ATS generator control system

GW-AST and GC-ATS control systems provide a reliable, accurate and cost-effective solution. Only GENPOWER units are available with the GW-AST and GC-ATS.

Integrated digital management system and voltage regulation are not the only standards. There are also analog and digital timers, engine monitoring digital system, smart start-up, battery unit monitoring systems and more.

Power transmission and parallel systems

PowerCommand systems optimise performance and simplify maintenance and service.

ATS systems

ATS system ratings range from 20 to 2000 A and provide monitoring of network and generator, generator start-up, load transfer functions in case of an emergency, backup and optional passive application.

ATS systems are designed to operate in high pressure. They remain resistant for thousands of cycles without charring, pitting and melting of parts. This device do not require periodic maintenance and provides 100% continuity of load.

Parallel operation of generator sets

GENPOWER parallel network systems are designed for the specific ATS controller that are tested for reliability and performance in a prototype phase.

Documented reliability and security

Integrated control systems provide fast synchronization. In most cases, any number of units can be synchronized in less than 15 seconds. Additional MRA4 and MRU4 security equipment.

MRA4 is a transmitter that uses the most modern processor technology Dual-Core that ensures precision and reliability, flexible and user-friendly features, specifically adapted for protection of the feeder bays and the outgoing feeders as well as medium-voltage generators.

MRU4 is designed to protect electrical appliances from dangerous voltage fluctuations. Protects against voltage drops caused by a network short circuit and against over voltage following the loss of load or voltage regulator generator failure.



GEN-GSM monitoring and network software

Software and network tools enable us to easily manage local and remote power systems from one location. Regardless of whether you are using a desktop, laptop or a mobile phone – GEN-GSM will help reduce power setup and maintenance time.

GEN-GSM for reliable network monitoring

GEN-GSM allows monitoring of the unit and ATS functions via Internet.

GEN-GSM provides:

- Communication via Ethernet, telephone line or available wireless networks
- Connection via web browser on your PC or MAC
- Mobile, pager or e-mail alert notifications
- Any source voltage and frequency display
- Unlimited number of power sets and ATS systems monitoring
- Display of current alarms and alarm reports
- System safety levels settings
- Monitoring and control system settings according to individual requirements
- Multiple devices monitoring of in a particular location
- Unlimited number of location spots remote monitoring



Rental power generator sets

The fleet of specialised power generator sets available 24 hours a day.

We have a wide range of rental power generator sets, both portable from 2 to 17 kVA, and stationary from 17 to 6000 kVA.

Applications of rental power generator sets

- Construction sites – new electrical installations testing, temporary energy supply or power supply the site
- Outdoor events – all kinds of events, where the set is very often the only source of electricity
- Live shows – great for lighting, sound systems and all the infrastructure – generator sets well soundproofed at the noise level of 59 dBA
- Banquets – increasing demand for power supply often limits available resources. Power sets seem to be the most reasonable solution
- Film sets – transportable power generators equipped with cables and panel boards, specially soundproofed at the noise level of 59 dBA
- Emergency power supply at the time of the factory planned shutdown – 200kVA, 3000 kVA power sets or more – according to requirements. The option of generators sync, external fuel tanks, cables and panel boards
- Emergency power supply for the machinery and equipment – during equipment start-up or testing
- Lights for construction – light towers, attached to a trailer and powered by generator set, are ideal solution for lighting of construction sites, and uninterrupted power supply. Light towers 7 to 9 feet high with power from 4 x 500 W to 4 x 1000 W
- and many more

Standard generator set equipment

- Diesel Engine – Liquid cooling, designed for continuous stand-by running, world renown brands such as VOLVO, IVECO, DOOSAN, PERKINS, MTU (depending on power rates requirement)
- Control panel with slots or bus bars to receive the full power of the generator
- Soundproof canopy or container – noise levels from 59 to 80 dBA (from 7 meters distance), weatherproof, designed for outdoor installations
- Automatic, electronic control of engine speed (frequency +/- 0.5%)
- Brushless synchronous generator
- Automatic Voltage Regulator (voltage stability +/- 0.5%)
- Engine warm up system, ensuring fast start-up in subzero temperatures
- Starting batteries
- The fuel tank capacity provides continuous operation from 8 to 50 hours or more

Optional equipment

- External fuel tanks – capacity up to 10,000 litres
- Auxiliary fuel tanks
- Homologated trailer for transportation
- Wires of any length and cross section
- panel boards with different slots – both 3-phase and 1-phase
- GPS monitoring systems

The benefits of rental

- No costs of purchase or sale
- Optimal use of potential
- Reduction of inventory and storage costs
- Ease of equipment acquisition
- Constant technical support
- Easy control over costs and exploitation

Our rental units are covered with 24-hour service with and a very short response time.

All technical surveys of the equipment are free of charge.

Peace of mind with our Enhanced Options Guarantee

Each of our units is covered by the basic warranty on the action throughout the year. For additional protection of investments of our customers we have extended this protection for each major component of our units anywhere in Poland before the basic warranty is complete.

For more details on our Enhanced Guarantee, please contact your nearest GENPOWER dealer.





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