



BACK UP **ENERGY** **SOLUTIONS** FOR CRITICAL DATA INFRASTRUCTURE

www.pramac.com

THE COMPANY

Pramac is the **global benchmark for the production of generators and battery energy storage solutions.**

2016 saw Pramac become part of the Generac group, forming the **world's third-largest generator producer.**

Pramac corporate purpose is to **lead the evolution** to more resilient, efficient, and sustainable energy solutions, powering a smarter world, with a broad suite of products.

Pramac provides **assistance and service** division offers, interventions on field, installations, maintenance.

After-Sales Division offers **trainings and learning tools** to help dealers and customers improving their product's technical knowledge and operational skills.

GLOBAL PRESENCE



- NORTH AMERICA
- INTERNATIONAL
- Pramac and Generac International Commercial Branch
- Our Global Production Footprint

Pramac is the International HQ of Generac Group and manages for Generac Group the area represented in clearer area.

OUR KEY DIFFERENTIATOR FACTORS

For Data Center Market Needs



SHORT LEAD TIME

Pramac provides rapid and efficient solutions.

Our streamlined processes ensure timely delivery of products and services, minimizing downtime and allowing data center projects to progress without delays.

8 production plants support the inventory and constant development of solutions and products.



TURNKEY SOLUTIONS

Pramac provides turnkey solutions, handling every aspect from installation to ongoing support.

Ensuring seamless setup, expert supervision, and reliable service, we allow clients to focus on their core business with peace of mind.



CUSTOMIZATION CAPABILITY

Our team excels in providing highly customized solutions designed to meet data center specific needs.

We aim at creating a solution that is perfectly suited to data center challenges and goals.



LARGEST PORTFOLIO

Pramac offers a broadest range of products and solutions for data centers in the market.

Our extensive portfolio ensures cutting-edge technology, reliability and scalability.

WHAT WE CAN OFFER



CONFORMITY

Pramac complies with **ANSI/TIA-942** or **Uptime Institute Certification**, which helps you obtain your Tier or Rated I to IV Certifications, which measure the level of infrastructure reliability.

The Tier rating represents the industry standard for reliability in the data centre.



MODULARITY

The infrastructure is **modular**, it offers **flexibility** and **scalability** to satisfy the increasing demand of data and cloud storage.



REMOTE COMMUNICATION AND MONITORING

The installations must be **remotely manageable** through control panels integrated into **building management systems (BMS)**, compatible with existing protocols.



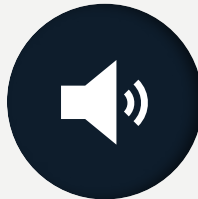
LOW EMISSIONS

Emissions must be minimized through **low-emission engines** or **exhaust treatment systems** to comply with environmental standards.



FIRE RESISTANCE

The **fire prevention** is a vital function, because generators and UPS can represent potential risks.



NOISE REDUCTION

It is essential to adopt solutions that **reduce noise** and equipment footprint, especially in sensible areas.

PORTFOLIO FOR DATA CENTERS

DIESEL GENERATORS

- Renowned for their **highly reliable technology** to face long-lasting energy interruptions.
- Made to **optimize fuel consumption**, suitable for data centers high operational demand.
- **Flexibility** and **dependability**, making it perfect for environments where a rapid response is essential.

CUSTOMIZED SOLUTIONS

- **Customized power solutions** to satisfy unique requirements, considering load demands, infrastructure constraints, and environmental factors.
- Designed to integrate with existing systems, including **renewable energy sources** or **advanced cooling systems**.
- **Adaptability** to accommodate the **evolving power needs** of expanding data centers.

BESS SOLUTIONS

Pramac **BESS** are designed to integrate with renewable sources like **solar** and **wind**.

Pramac provides **versatile solutions** to meet the power needs of data centers, ensuring **efficiency**, **reliability**, and **adaptability**.

Among **our best offerings** are:

DIESEL | Up to 6000 kVA



CUSTOMIZED SOLUTIONS



BESS SOLUTIONS



INDUSTRIAL
PRODUCT LINES



CUSTOMIZED SOLUTIONS

More Than 100 Options For Data Center

- Capability with G3 Transient Response demand according to ISO8528
- Dual electric start with a dual battery pack
- Dual automatic pumps for fuel replenishment
- Fire detection and suppression system featuring inert gas cylinders
- Control unit
- Smoke monitoring system

We also offer: **dual diesel filtration system, a diesel recirculation system, and special casings with double-stage mufflers for enhanced performance.**

Our configurations include: water separator filters, leak-proof trays with detection sensors, double engine starting, pre-heating systems, and automatic fuel pumps for external refueling.

Additional features are: fuel cut-off valves, manual battery switches, tropical cooling radiators, adjustable differential protection, silencers, super-silent enclosures, and fuel storage tanks ranging from 500 to 40,000 liters.

We have developed a range of personalized options to meet the specific needs of data centers, ensuring maximum flexibility and reliability.



SCR - DPF TECHNOLOGY

SCR and DPF technologies ensure reliable backup power and high-performance output, while meeting sustainability and regulatory requirements.



SCR (Selective Catalytic Reduction)

A technology that **reduces NOx emissions in diesel generator exhaust by up to 90%**, ensuring compliance with environmental regulations.



DPF (Diesel Particulate Filter)

Captures and **removes fine particulate** matter from diesel exhaust, eliminating up to 99% of solid particles to improve air quality and meet emissions standards.

These solutions indeed **help meet local and international emissions standards**, such as EPA Tier 4 in the US and EU Stage V regulations.

Essentials for data centers in urban or regulated areas to maintain operational permits. Moreover, **they reduce the environmental footprint of diesel generators** by mitigating harmful emissions and align with corporate sustainability objectives, making data centers greener.

BENEFITS OF INTEGRATING SCR AND DPF TECHNOLOGIES IN PRAMAC GENERATORS



LOWER EMISSIONS

Significant reduction in NOx and PM levels, making diesel generators with a consistent reduction emissions.



CUSTOM SOLUTIONS

Pramac offers generators equipped with SCR (for reduction of NOx) and DPF (for reduction of CO2), tailored for data centers of all sizes.



FUTURE-PROOF TECHNOLOGY

Compliance with evolving regulations, ensuring long-term viability of diesel-based backup systems.

SERVICE AS A TURNKEY APPROACH



CUSTOM SOLUTIONS

Offering advanced technologies such as SCR for NOx reduction, and committed to achieving the highest level of customer satisfaction.



LOCAL TECHNICAL SUPPORT

Trained professionals for high-quality service. Our global Service Network counts more than 800 professional centers.



RELIABLE PARTS

All required spare parts for high efficiency and reliability.



HIGH AVAILABILITY

Availability of parts and components to run clients' systems effectively and efficiently with fast delivery.



TRAINING CENTERS

We offer our authorized dealers, customers and consultant dedicated trainings with a specific focus based on the target needs.



GLOBAL NETWORK OF ENGINEERS

Comprehensive service and parts support, ensuring optimal performance and longevity for all our products.

Pramac is dedicated to customer satisfaction supported by a specialized team, offering comprehensive after-sales service and a full range of spare parts.

Customers can access user manuals, technical documentation, service catalogs, and maintenance programs through the dedicated website:

pramacparts.com



STRENGTH AND RELIABILITY

Products designed to work in extreme conditions, ensure reliability for data centers of all dimensions.



CONTINUOUS SUPPORT AND PROACTIVE MAINTENANCE

Pramac offers an end-to-end support, from planning to regular maintenance.



FOCUS ON SUSTAINABILITY

Pramac offer integrates sustainable solutions that allow datacenters to reduce their environmental impact.

PRAMAC
CUSTOMIZED
ENERGY
BACKUP



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Pramac Solutions for Data Center



Contact us for a tailored solution:
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