COMPANY **PROFILE**

MASTER POWER TECHNOLOGIES

THE UNSTABLE GRID AND LOAD SHEDDING CAUSE POWER FAILURES

THAT DOESN'T MEAN YOU SHOULDN'T HAVE UPTIME

Master Power Technologies is an award-winning secure power provider specialising inquality backup power and data centre solutions where uptime is critical. We specialise in offering businesses clean and reliable backup power through affordable engineered solutions and turnkey projects to keep critical equipment live and to ensure customer sustainability.



POWER FORWARD with master power technologies

Master Power Technologies is a proudly South African company with a vision of enabling African economies through scalable data centres and critical power solutions. From modest beginnings in 1999 as a specialist provider of uninterruptable power supplies (UPSs), Master Power Technologies has evolved into an international, award-winning designer, manufacturer and supplier of data centres, complete with end-to-end backup power solutions to ensure our customers Power Forward. We are in Africa for Africa.

We understand that each business has unique challenges. We consult closely with you to identify and create solutions that will improve efficiencies and save money for you while increasing availability and reliability. Thanks to our flexible structure, we have the capacity to solve the most challenging problems, while providing personal interaction.



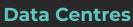
OUR SOLUTIONS





Secure Power

- Generators
- UPS
- Batteries
- Power Distribution
- Turnkey Power Solutions



- Design
- Manufacture & Build
- Critical Infrastructure



Monitoring & Management

- Critical Infrastructure Monitoring & Management
- NOC
- Battery Monitoring
- Triple Changeover



Servicing & Support

- \cdot Maintenance
- Emergency Technical Support
- Installations & Commissioning
- UPS Testing
- Generator Testing

INDUSTRIES we serve



PREMIUM ENGINEERED BACKUP POWER SOLUTIONS

We pride ourselves on being a company known for continuously improving our services and exceeding customer expectations. We have 10 Uptime Accredited Tier Design Engineers across various disciplines and 2 Accredited Operations Specialists. We comply with international standards and have won awards across Africa from Frost & Sullivan for our innovative, industry-leading solutions.

We have implemented an Integrated Management System (IMS) incorporating the ISO 9001, ISO 14001 and OHSAS18001 standards. This allows us to seamlessly address the requirements of multiple management system standards, while building on a foundation for continual improvement and organisational excellence.



Master Power Technologies has built its reputation on providing companies with reliable backup power solutions and support.

Expertise & internationally recognised track record

- Experienced in over 20 African countries
- Experts since 1999 with over 200 employees
- Our solutions, innovation and approach to business and customer service have won us four Frost & Sullivan best practice awards

Unparalleled R&D innovation

- Our experienced in-house R&D team designs solutions that combine cutting-edge innovation with tried and tested technologies
- Constant Innovation
- Industry-leading remote monitoring and management

We work with big & small clients

- Independently-owned, total power solutions provider
- Servicing customers in diverse markets
- Large enough to provide personal interaction, but small enough to provide unique and flexible services

Turnkey solutions

- Manufacture & install
- Engineers & technicians
- One-stop solution

Custom solutions

- Our solutions are fully customisable and suited to your unique needs
- Bespoke in-house solutions, including steelwork
- Partnered with the best OEMs in the industry to provide customers with the most suitable solutions

Proudly African company

- We put the African continent first
- Committed to building Africa's
 economy and dedicated to local content
- We employ locals in the countries where we operate

Reliability & respect

- Ready to provide customers with the highest quality products and service
- Deep understanding of the industry and respect for customers' business objectives
- A "no surprises" approach and timely, transparent communication with customers

MASTER POWER TECHNOLOGIES

DIESEL GENERATORS TRUSTED QUALITY IDEALLY SUITED TO AFRICA

Master Power Technologies is the exclusive distributor of FG Wilson generators in the SADC region. FG Wilson is a leading global provider of prime and standby-power diesel generators. Our Generator Product Range: Small Range: <220 kVA Medium Range: 225 – 938 kVA Large Range: >800 kVA

ENHANCE YOUR BACKUP POWER SOLUTION WITH OUR FG WILSON GENERATORS RANGING FROM 9,6 - 2500 KVA.

Founded in 1966, FG Wilson has become one of the most reliable and largest generator manufacturers on the market. FG Wilson generators are designed for industrial users, can cover an array of applications and offer safe, reliable and continuous backup power or prime power. FG Wilson generators are durable and robust. The galvanised enclosures are designed to resist corrosion and handle damage in harsh environments such as construction sites and remote locations. The enclosures are weatherresistant and incorporate internally mounted exhaust silencers. Excellent sound attenuation makes these enclosures an ideal choice for residential applications or other sites where noise is an important factor. Generators are available in either open or canopy sets.

Why Select Master Power Technologies as your generator partner?

- FG Wilson designs, and manufactures generator sets to one global quality standard throughout all its manufacturing facilities.
- FG Wilson requires only 500-hour service intervals so that you can make fewer site visits.
- Full certification testing is completed at the factory level by independent organisations.
- FG Wilson is a global leader at the forefront of generator technology.
- Ongoing customer support and expert services provided by Master Power Technologies and FG Wilson.
- Full turnkey solutions, including cabling and power distribution, completed by Master Power Technologies.
- Monitoring and management are offered by Master Power Technologies across all generator installations.
- Master Power Technologies is a provider of FG Wilson Genuine Parts.
- 600, 1,000 & 2,000-litre fuel tanks, so you need to refuel less often.

Custom power generation solutions

Master Power Technologies provides quality power generation solutions for generators above 2500kVA and has partnered with the industry's most reliable suppliers to provide custom diesel and gas generator solutions.

POWER ON DEMAND

GENERATOR RENTALS

WIDE VARIETY TO SUIT YOUR NEEDS

At Master Power, we offer reliable and efficient generator rental services to meet the power needs of your business. Whether you require a long-term generator rental solution, temporary power solutions or emergency backup, our extensive fleet of industrial generators is ready to deliver the electricity you need.

Our rental services are ideal for small to industrial environments and are designed to keep your operations running smoothly, no matter the circumstances. Our generator rental fleet includes a wide range of diesel generators with SLAs, factory-trained technicians, and remote generator monitoring.

Our team will help you select the perfect generator with the right output and kVA rating. Rest assured that the Master Power generator rental services will keep you moving throughout the inevitable power outages.

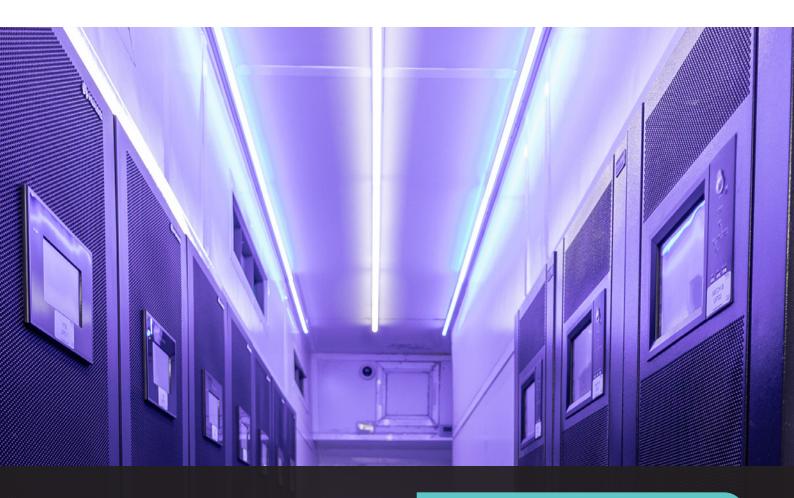
TRUST MASTER POWER FOR RELIABLE AND EFFICIENT GENERATOR RENTAL SOLUTIONS









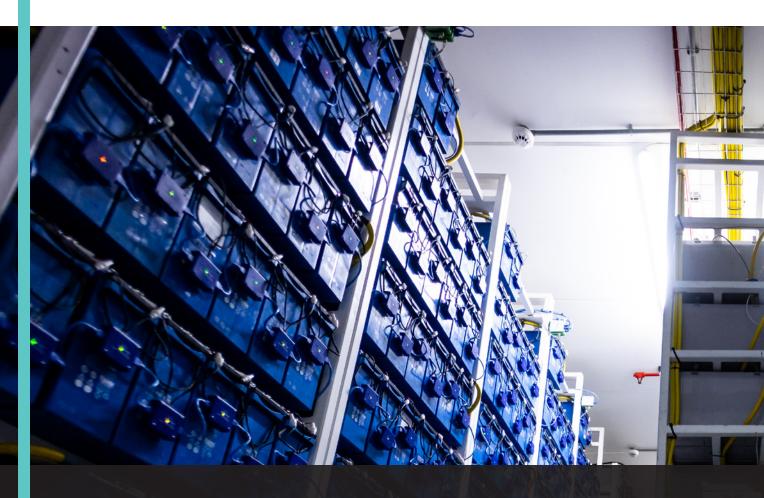


UPS

THE BACKBONE OF MASTER POWER TECHNOLOGIES & THE FOUNDATION OF ANY CRITICAL POWER SOLUTION

Maintain the highest levels of availability and keep your most critical assets protected from power surges and failures with the Master Power Technologies UPS solutions. Master Power Technologies is an authorised distribution partner for leading OEMs, offering a vendor-neutral solution, including Socomec, Huawei, PowerSure, and Vertiv. We offer a complete range of UPS solutions, from small or premium UPS requirements to industrial UPS systems. The full range of products covers all segments from single-phase to high-power threephase units, including rack mount UPS, tower UPS, modular UPS systems and rotary UPS.

- 10 kVA to 5.0 MVA and above
- Full range of products: rack mounts, tower, modular or rotary UPS
- Premium UPS to industrial-scale projects
- Complete scalable solutions
- Partnered with the best OEMs in the industry
- Have the confidence of 100% uptime



BATTERIES

ENERGY STORAGE SOLUTIONS

Master Power Technologies offers a wide range of lead-acid, gel and lithium options, ranging from 2V high Ah capacity cells to 12V 200Ah batteries. Applications Include:

- UPS systems
- Rectifier systems
- Generators
- Solar Inverters

We provide and install UPS and rectifier batteries from leading European and Asian manufacturers to suit specialised installation environments. In addition to providing a wide range of batteries, Master Power Technologies provides a product called BattSure, which helps prolong and protect your battery investment.

Battery Back-Up Solutions For Business

With over 22 years of experience in battery and back-up power solutions, our team is qualified to help you choose the correct batteries for optimal performance in your environment. We supply our in-house brand, Sure Batteries, and have access to major international brands and global leaders in the stored energy market. Our engineers and technicians are on hand to provide site surveys, continuous servicing and emergency technical support.





POWER DISTRIBUTION power system automation and energy management

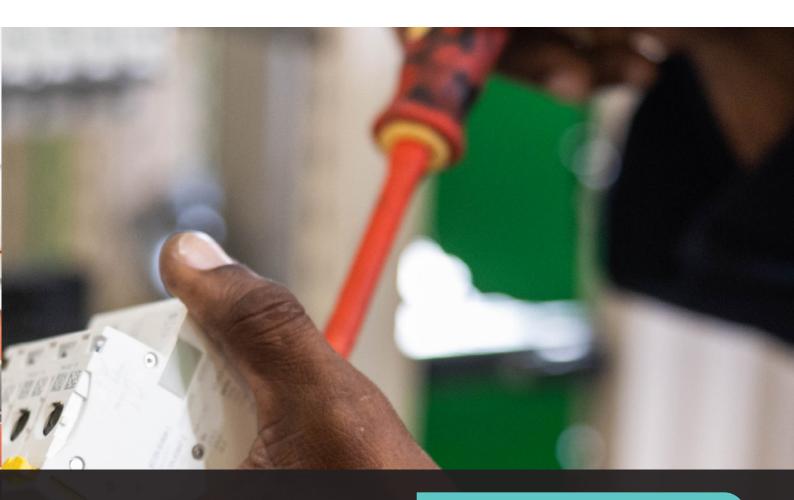
Our head office in Strijdompark, Randburg, is home to our specialised board and panel manufacturing facility, where we use high-quality components to assemble custommade units to suit a wide range of installation and service requirements, from small-scale to large equipment. Power system automation is used to:

- Monitor the state of the system
- Remotely operate switching and control devices
- Protect the system from disturbances

Master Power Technologies is proficient in power system automation and energy management systems, which are integral to any turnkey power supply solution.

Power system automation is the application of automatic devices to electronic transmission and power distribution systems.

Energy management systems refer to the effective use of energy to minimise cost, maximise profit and enhance competitiveness.



We manufacture standardised AC and DC Power Distribution Units (PDUs) to clients' specifications. Panel designs include consulting with clients from design concept to final load test and functional testing of panels.

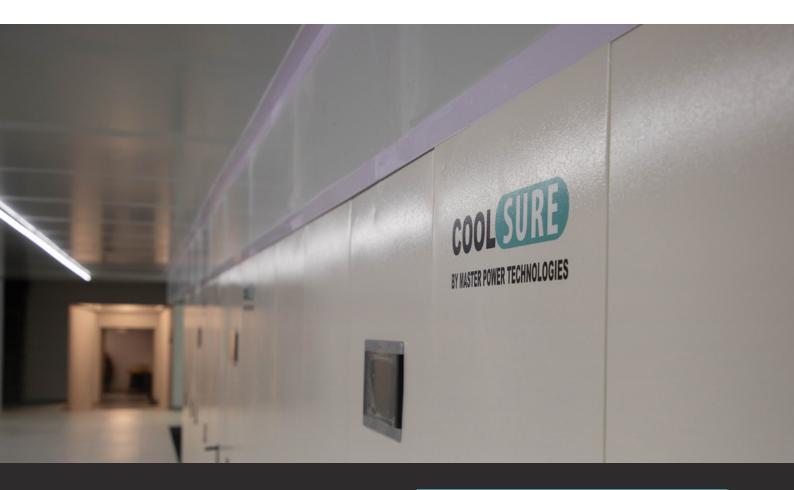
We design and manufacture the following types of power distribution panels:

- Triple change-over systems
- Dual redundancy panels
- Power distribution panels
- DC rectifier systems
- DC distribution
- PDUs
- Control panels
- Source selector panels, 32A to 3200A
- Standby power systems, including automation control systems
- Power metering
- LV, MV switchgear

Our dedicated panel manufacturing and assembly facility specialises in distribution panel products for the LV market. The manufacturing and stores area covers 2000m². All panels are manufactured to the highest standards, using the modular Prisma Panel range from Schneider Electric, and all panels meet international and local standards: IEC 61439-2 (2009-01) and IEC 61439-12. The boards are rated to 4,000A, and only Schneider Electric or similar switchgear is used to ensure a quality solution. Finally, all panels are quality checked as per the ISO9001:2013 standards.

All panel designs come complete with pre-approval single line and general arrangement diagrams prepared by our in-house drafts office, which evolve into complete data packs on awarding of the project.





COOLING

At Master Power Technologies, we understand that precise climate control is essential for protecting critical infrastructure. Our comprehensive range of cooling solutions ensures optimal performance, reliability, and efficiency for data centres, server rooms, and other high-demand environments. Whether you need standardized or custom-engineered cooling, we deliver solutions tailored to your specific needs.

Cooling Solutions We Offer

In-Room Cooling (5-200kW)

- Direct Expansion (DX) Cost-effective cooling using a refrigerant cycle.
- Chilled Water (CW) Ideal for high-capacity, large-scale installations.
- Dual Cold Source (DX + CW) Combines chilled water with DX as a secondary circuit.
- Configurable airflow options: top, front, and down blowers.

In-Row Cooling

- Direct Expansion (DX) (12.5kW 60kW)
- Chilled Water (CW) (12.5kW 80kW)
- Configurable airflow options: top, front, and down blowers.

DATA CENTRE SOLUTIONS NO OTHER COMPANY ON THE AFRICAN CONTINENT OFFERS WHAT WE DO IN SUCH A TRUE TURNKEY FASHION.

Master Power Technologies provides tailored, end-to-end data centre solutions. Our data centre solution offers rapid deployment, high efficiency and optimised serviceability. Our Data Centre Solutions:

- Site Inspection
- Data centre design and project management
- Data centre construction
- Infrastructure installation & commissioning
- Infrastructure testing
- Data centre monitoring & management
- Data centre operations & after-sales services

Our customisable offering delivers data centres from start to finish, including site inspection, planning, design and construction, cooling, critical infrastructure, installation, onsite commissioning, remote monitoring and after-sales support.

We understand the challenges of African data centre environments, and our team has the expertise to provide data centres in Africa's most demanding, remote locations. We can supply you with best-in-class, resilient and reliable solutions that suit your needs and environment. Our data centre solutions include brick-andmortar, modular, and prefabricated steel. In addition, we have strong partnerships with the big critical power OEMs and are the sole supplier for many in the region.

Master Power Technologies have built turnkey data centres solutions across the entire continent — including in South Africa, Nigeria, Ethiopia, Djibouti, Madagascar, Somalia, Kenya, Tanzania, Malawi, Zambia, Mozambique, Zimbabwe, Botswana, Senegal, Ghana, Congo, DRC, Angola, and Namibia. Our team includes 10 Uptime Accredited Tier Design Engineers and two Accredited Operations Specialists across various disciplines to ensure that data centres are designed for optimal performance. Data centres supplied by Master Power Technologies align with the European Union's Code of Conduct on Best Practices to ensure you get a product offering with outstanding performance capabilities.



MONITORING & MANAGEMENT critical infrastructure systems management

At the heart of our offering is the Master Power Technologies AIVA system, an 11-year, field-proven, multi-site monitoring, remote alarming, and analytics tool. monitors critical lt power. cooling and environmental elements of data centres

Reliable backup power solutions are our forte.

and telecommunications facilities, tailored to suit clients with the need for in-depth visibility of multiple sites in multiple regions.

AIVA provides intelligent automation and real-time building and energy management and monitoring to mitigate potentially critical issues that could cripple essential functions. Information is relayed directly to customers' smartphones and, if required, any of their preferred electrical service providers with no limitations on users. Coupled with this is our Life Centre Team operating our Network Operations Centre (NOC). The AIVA NOC monitors your site 24/7/365 and expedites any issues and site-compromising faults to our internal experts, immediately contacting you and dispatching skilled technicians where required. Whether you need emergency breakdown support, routine maintenance, or budget planning, we have the experience and expertise to provide industry-leading support response.

WHAT AIVA MONITORS

With AIVA as the backbone, we developed several product applications to improve and expand our remote monitoring capability. These applications are entirely modular and open-sourced and can be used as standalone or in combination, allowing flexibility based on budget constraints. Any combination of the following applications can be used:





ΑΙVA

SUPPORT & MAINTENANCE we understand the importance of keeping your business moving and ensuring minimal downtime.

The team is there to support you with ongoing maintenance after your warranties have expired. We have access to the parts and the people required to maintain or repair virtually any power equipment.

MAINTENANCE & EMERGENCY TECHNICAL SUPPORT

Master Power Technologies offers industry-leading maintenance services and is known as one of the most reliable emergency technical support service providers for back-up power solutions. We offer clients a wide range of dependable service level agreements (SLAs) to protect your infrastructure. From UPS systems to generators, batteries and rectifiers or power distribution and automation, we support, maintain and repair most major brands.

INSTALLATIONS & COMMISSIONING

Our expert team will help you to select and install the correct back-up power infrastructure for your unique needs. Master Power Technologies has more than 21 years of experience and is committed to finding solutions that improve efficiencies and save you money while increasing availability and reliability.

UPS TESTING CENTRE

Master Power Technologies designed and constructed Africa's only fully automated 2000 kVA test centre to test our UPS solutions. We offer Factory Acceptance Testing (FAT) and Site Acceptance Testing (SAT). The test centre minimises the chance of downtime and tests equipment to the standards applied by the original manufacturers whilst meeting IEC standards. The computerised testing procedures are fully automated. The centre is the only one of its kind in the southern hemisphere and obtained significant investment in automation.

GENERATOR TESTING CENTRE

Master Power offers both Factory Acceptance Testing (FAT) and Site Acceptance Testing (SAT) as per customer requirements. Factory Acceptance Testing (FAT) is performed before the generators reach customer sites. You have peace of mind that your back-up power equipment meets your required specifications and that any failures and issues will be identified and resolved before generators are dispatched to your site. Our Master Power generator testing bay has the capacity to test generators up to 5MVA at full load.





OUR EXPERIENCE recognised for effective, comprehensive solutions across the entire african continent

- · Angola
- Botswana
- Congo
- Djibouti
- · DRC
- Ethiopia
- Ghana
- Iran
- Kenya
- Madagascar
- Malawi
- Mozambique
- Namibia
- Nigeria
- Senegal
- Somalia
- South Africa
- Tanzania
- Togo
- Zambia
- Zimbabwe



"WE ARE IN AFRICA FOR AFRICA"



MASTER POWER

AT A GLANCE

- > Over 200 years of combined Data Centre Experience.
- > 10 Uptime Accredited Tier Design Engineers across various disciplines.
- > 2 Uptime Accredited Operations Specialists.
- > Setting the industry standard for the past 10 years.
- > Experience in over 20 countries.
- > We provide exceptional after-sales support, mainly because we intimately understand the particular challenges of the African environments.

MEET THE TEAM

THE BEST IN THE BUSINESS



MENNO PARSONS Managing Director



DIAAN HELM HOD: Products and Services



LYNCH JORDAAN Operations Manager



INNOCENT HLABIWA Director



MATTHEW BEZUIDENHOUT Electrical Engineer, Monitoring & Management Department



LUANI MATTHŸSER Marketing Manager



KGOMOTSO LAKA Director



DAVID BORCHARDT Head Architect



RORY REID HOD: Data Centres



BRAAM PRETORIUS Head Electrical Engineer



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