

WAA POWER ELECTRONIC TOPOLOGY

Power Quality & Automation Solutions

COMPLETE PRODUCT & SOLUTIONS CATALOG

Power Quality • Power Conversion • Energy Storage
Solar • Engineering Services • Load Testing
Petroleum Automation

OUR SOLUTIONS

- Power Quality & Power Conversion Solutions
- Power Backup & Energy Storage Solutions
- Solar Energy Solutions
- Load Bank & Testing Solutions
- Engineering & Power System Services
- Petroleum & Automation Solutions

PRODUCT CATALOG



SERVO VOLTAGE STABILIZERS

High accuracy stabilization for sensitive equipment protection and extended life.



STATIC VOLTAGE STABILIZERS

Solid state technology for fast response and maintenance-free operation.



AHF – ACTIVE HARMONIC FILTERS

Eliminates harmonics, improves power factor and enhances system efficiency.



SVG – STATIC VAR GENERATORS

Improves power factor, stabilizes voltage and enhances power quality.



HYBRID FILTERS

Combination of passive & active filters for superior harmonic mitigation.



RTPFC PANELS

Automatic power factor correction for energy savings and optimal performance.



APFC PANELS

Advanced automatic power factor correction panels for reliable operation.



K-RATED TRANSFORMERS

Energy efficient, reliable and designed for harsh operating conditions.





POWER BACKUP & ENERGY STORAGE SOLUTIONS



UPS SYSTEMS

Reliable uninterrupted power supply for critical applications.



BESS – BATTERY ENERGY STORAGE SYSTEMS

Advanced battery energy storage systems for efficient energy management.



AC/DC PCS – POWER CONVERSION SYSTEMS

High performance power conversion systems for diverse applications.



INDUSTRIAL INVERTERS

Robust inverters designed for industrial applications and heavy-duty performance.



FREQUENCY CONVERTERS

Efficient frequency converters for motor control and energy optimization.



SOLAR ENERGY SOLUTIONS



ON-GRID SOLAR SYSTEMS

Grid-connected solar systems for maximum energy savings and zero electricity bills.

- Reduce electricity bills
- Environment friendly
- Net metering facility
- Low maintenance



OFF-GRID SOLAR SYSTEMS

Independent solar power systems for remote locations and uninterrupted power supply.

- Energy independence
- Reliable power
- Battery backup
- Ideal for remote areas



HYBRID SOLAR SYSTEMS

Smart hybrid systems that combine solar, grid and battery for 24/7 power reliability.

- Uninterrupted power supply
- Optimized energy usage
- Backup during power cuts
- Smart energy management



COMMERCIAL & INDUSTRIAL SOLAR SOLUTIONS

High-capacity solar solutions for businesses to reduce operational costs.

- High energy generation
- Scalable solutions
- Lower operating costs
- Long-term savings



SOLAR COMPONENTS & ACCESSORIES

High quality components for safe, efficient and long-lasting solar systems.

- Solar Panels
- Solar Batteries
- DC Cables & Junction Boxes
- Inverters
- Mounting Structures
- MCB, SPD & Other Accessories



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REGENERATIVE ELECTRONIC LOAD BANKS

Energy efficient regenerative load banks that feed power back to the grid, reducing operational costs and environmental impact.

- ✓ High efficiency & energy savings
- ✓ Grid feedback capability
- ✓ Real-time monitoring & control
- ✓ Robust & reliable performance



PLC-BASED LOAD BANKS

Advanced PLC-based load banks for precise load testing, control and data acquisition.

- ✓ PLC control for accurate operation
- ✓ Multiple load steps
- ✓ User-friendly HMI interface
- ✓ Data logging & reporting





ENERGY AUDIT

Comprehensive energy audit to identify energy losses and recommend effective solutions for energy savings.



POWER QUALITY AUDIT SERVICES

Detailed power quality analysis to detect issues and ensure reliable, efficient and stable power supply.



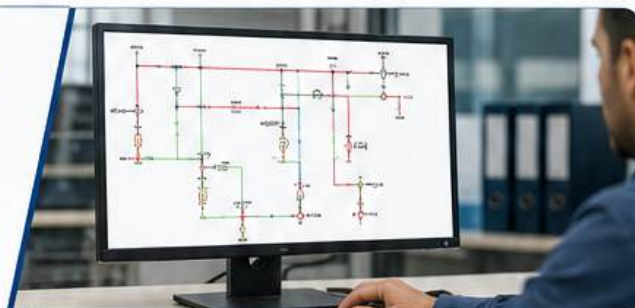
ARC FLASH STUDY

Arc flash hazard analysis to ensure personnel safety and compliance with industry standards.



LOAD FLOW ANALYSIS

Load flow studies for optimal system planning, reliability improvement and load management.



SHORT CIRCUIT RELAY COORDINATION

Short circuit analysis and relay coordination to ensure system protection, safety and uninterrupted operation.





— Power Quality & Automation Solutions —

PRODUCT CATALOG PETROLEUM & AUTOMATION SOLUTIONS



PETROLEUM & AUTOMATION SOLUTIONS



• PETROLEUM AUTOMATION SOLUTIONS

Advanced automation solutions for petroleum operations ensuring accuracy, safety and efficient process management.



• BPCL | HPCL | NAYARA PROJECTS

Trusted partner for BPCL, HPCL and Nayara projects delivering reliable automation and electrical solutions with high performance and quality.



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