Since 1979

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Wenzhou Modern Group Co. Ltd.
No.20 Jinsiqiao Road, Wenzhou, China

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Wenzhou Modern Group is a leading company in manufacture of Power Quality and Energy Saving Products in China.

**Milestones:**
- 1979: Founded as a manufacture of transformer based power products
- 1988: Constant voltage transformer introduced and UL certified
- 1992: Became strategy partner for GE Healthcare in China
- 1995: Obtained ISO9001 quality system
- 2003: Introduction of patent variable transformer
- 2005: Became strategy partner of Emerson Network Power
- 2010: Obtain CE for voltage stabilizer
- 2013: Obtain CE for voltage optimization unit

Since 1979

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Main Products

1. AC Power Conditioner
2. Magnetic Components
3. Industrial Power Supply
4. Power Quality Solutions
Voltage Stabilizer

Better Equipment protection, fewer failures, more uptime and lower energy costs across a wide range of industries and applications.

- Power range: single phase 5-100KVA, three phase 10-5000KVA
- Input voltage range: ±15% to ±30%, can be extended down to -60%
- Independent voltage regulation with unique compact dimension
1. AC Power Conditioner

Voltage Optimization Unit

- Energy saving up to 25%
- GPRS remote control and monitoring
- No-break bypass allowing no power interruption

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AC Power Conditioner

**Voltage Regulator**

- **Voltage rating:** 120 to 600V
- **Power range:** single phase 10-150KVA, three phase 10-1000KVA
- **Output voltage can be adjusted from 0 to 120% of input voltage**

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Transformers

Three (single) phase transformers are your best choice for voltage conversion and isolation

- Power range: up to 1500KVA
- Phases: 1/1, 3/1, 3/3
- Insulation class: H
Magnetic Components

Reactors

Protect equipment from harmful line disturbances harmonic, equipment life time and efficiency are significantly enhanced.

- Phases: 1/1, 3/3
- Winding: coil or foil
- Standard: IEC and EN

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Frequency Converter

Allowing you to precisely emulate your required frequency and voltage

✓ Phases: 1/1, 3/1, 1/3, 3/3
✓ Power range: up to 1000KVA
✓ Available frequency: 40-500Hz
Industrial Power Supply

Frequency Inverter

**Power Range:**
- Single phase 200V - 230V: 1HP - 7HP (0.75KW - 5.5KW)
- Three phase 200V - 230V: 1HP - 7HP (0.75KW - 5.5KW)
- Three phase 380V - 440V: 1HP - 10HP (0.75KW - 7.5KW)
- Built-in: RS 485, PID control, etc.

- Speed accuracy: 0.5% max. Speed

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Industrial Power Supply

UPS

- DSP digital control technology, intelligent detection and monitoring capabilities
- Passive monitoring of contacts and RS232/485
- High-speed IGBT drive inverter
- With overvoltage, low voltage, overcurrent, short circuit protection functions

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Harmonic Filter

Professional Solution to improve power quality by harmonic filter

- Voltage rating: 208 to 660V
- Power range: 25 to 500A
- Cancel 3rd to 51st order harmonics
Power Factor Correction

Professional Solution to improve power quality by power factor correction

- Voltage rating: 208 to 660V
- Power range: 100 to 5000 Kvar
- Reactive power and harmonic compensation
Neutral Current Eliminator

Eliminate Hidden Danger in Power System

- Reduce high neutral current and neutral-ground voltage
- Prevent hidden dangers caused by harmonics
- reduce input and output neutral current to 0 A

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Our Core Competencies

- We buy tons of quality silicon sheet in roll and cut them into big pieces and then into EI or UI type sheet by pressing machine.
- EI and UI type silicon sheet not only enhance transformer performance, but also improve the efficiency of lamination very much which accordingly increase our transformer manufacturing capability significantly rather than normal piecing sheet lamination.
Our Core Competencies

We use enamel copper wire rather than glass-fiber covered wire to be wounded with arrangement wire winding without bobbin technology with overseas imported winding machine, the transformer coil will be beautiful, compact and good heat dissipation.

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Beautiful Inside and Out

- Beautiful and slim exterior with advanced industrial workmanship.
- Compact interior structure compliance with international standard.

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Our Patent Structure

- Our patent carbon brush with high conductivity, small sparks, and long life
- We use low speed, high start torque motor for stable operation
- Patent three phase individual voltage regulator, which realizing the whole unit 2/3 smaller than traditional one.

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Control Board

- Our control board high performance ARM chip, quick response time.
- Central control module based on DSP, realize high-speed and high-performance control.
- With SMT technology, the reliability and supply of PCB will be highly improved.

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- Man-machine interface enable users to know the unit condition clearly.
- Support the standard Modbus communication protocol, support remote control with GPRS.
Intelligent Ventilation Control

- Optimized design for ventilation, advanced technology and small size
- Activate the fans when needed for prolong the life of fans.

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Remote Control

- Centralized management by computer
- Install special background monitoring software in computer terminal can realize the remote operation and control.
Complete Protection

- Fully considering the function needs under various operating conditions for both loads and unit itself.

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Factory Tour
Research and Development

- **R&D Staff:** 20-30
- **Patents and Awards:** Over 20 Practical New advanced Patents, 6 Appearance Design Patents, UL, National Key, New Product
- **Machinery/Equipment for R&D:** Power Quality Analyzer, Coil Turns Tester, Core Loss Tester, Voltage- Withstand Tester, Variable Frequency Power Supply and more.
- **Strict management and long-term development plan**
Quality Control

✓ QC/Technical Support:
We produce according to IEC requirements and we are an ISO9001:2000 company. We perform strict quality control during manufacture and service.

✓ Procedures/testing Details:
We are very careful when choosing raw materials and components. We strictly abide by the technical principle and we perform strict quality control during manufacturing, packing and service.

✓ Origin of Materials and Components:
Selecting the most qualified Electronic components, adopting the best material to meet quality standard of products.

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OEM/ODM

✓ OEM/ODM turnover: 20 million USD plus

✓ Staff Details:
  Production Staff: 200 plus
  QC Staff: 20 plus
  R&D Staff: 20 plus

✓ Major Markets: Africa, South East Asia, Middle East, Europe...

✓ OEM/ODM include, but are not limited to:
  • Custom OEM/ODM AC Power Conditioner with voltage regulation, isolation, transient suppression, surge protection, or any combination of these.
  • Custom OEM/ODM Voltage Stabilizer with extremely wide voltage regulation range from 100V to 500V line to line voltage.
  • Custom OEM/ODM transformers and reactors with different input/output voltage, capacity, taping, copper/aluminum winding, one/two coils.
  • Special enclosure design for power conditioners, voltage stabilizers, transformers and reactors.

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Our Client

Medical:

01 GE Healthcare

02 PHILIPS

03 Neusoft

Telecom:

01 Emerson Network Power

02 Reliance Anil Dhirubhai Ambani Group

03 China Mobile

Industrial:

01 Sevenstar

02 Kelong

03 NMC

Services:

01 Tesco

02 Aldi

03 HoAVI Logistics

Random List Order

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THANK YOU FOR YOUR ATTENTION.

Thank You

MORE INFORMATION AT:

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