Power Transformers
Simple...

WEG WILL

• Make it easy to do business
• Handle complex specifications
• Manage the complete project
• Provide short cycle deliveries
• Manufacture the most reliable transformer
• Provide support during the entire life of your transformer

At WEG, we are experts in building power transformers and electric machines and have been doing it for over 50 years. We manufacture a reliable transformer that is custom built to your specification.

Find out how easy it is to work with WEG.
Call 1-855-WEG-WILL or send an email to WEGWILL@weg.net
Power Transformers

Founded in 1961, WEG has grown into a global solutions provider of industrial electrical technologies. WEG is the largest electric motor manufacturer in the Americas and one of the largest in the world with over 10 million units sold annually.

Committed to growth on a global scale, WEG continually invests in state-of-the-art manufacturing facilities and processes as well as development of new and improved industrial electrical solutions.

WEG offers a diverse and integrated product line including motors, drives, controls, transformers, automation, and generators.

The transformers line is supported by six manufacturing plants across two continents. WEG manufactures transformers for the industrial, utility, public power and renewable energy markets. Why choose WEG? Because WEG WILL!

FEATURES

The WEG transformers product line includes a wide range of customized solutions to fit all your power needs. WEG manufactures unit substation transformers, cast coil transformers, power transformers, arc furnace transformers, and autotransformers up to 250 MVA and 345 kV.
Transformer Construction

Core
The WEG design utilizes round core construction with cold rolled grain oriented silicon steel laminations. Our clamping method is designed to prevent movement of core laminations while simultaneously supplying support for the windings. The robust design gives added short-circuit strength as well as improved bracing for transportation.

Windings
The winding assembly area follows rigorous quality standards and is housed in a totally enclosed, separate room from the main production line. High cleanliness, high quality parts, and tight manufacturing tolerances ensure very low impedance variation. WEG uses both vertical and horizontal winding machines for coil production.

Vapor phase
WEG’s vapor phase system is the quickest and most effective way to dry power transformers. This process ensures perfect dryness and longer transformer life. The vapor phase system also reduces drying time by over 50% when compared to a typical non-vapor phase oven. Passing this time savings along the production schedule results in shorter cycle deliver times.

Engineering
WEG’s production facilities are equipped with state-of-the-art engineering design software and equipment including the Anderson Program, DTDS, Solid Works, AutoCAD and other 3-D modeling programs which ensure total quality control all the way from design to production to manufacturing to testing. In addition to traditional Type II mineral oil filled transformers, environmentally friendly natural ester fluid designs are also available.
Customer Service, Delivery, Logistics, and Field Service

WEG offers complete customer service and post-sales support including; jobsite receipt inspections, field service, on-site supervision, start-up assistance, and site testing. WEG’s transformer service department employs highly skilled experienced servicemen capable of providing 24 hour rapid response support to any jobsite in North America.
Simple... 

WEG WILL

Handle Complex Specifications

<table>
<thead>
<tr>
<th>Mexico</th>
<th>Brazil</th>
</tr>
</thead>
<tbody>
<tr>
<td>GSU, Collector, Substation</td>
<td>Arc Furnace</td>
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<tr>
<td>Autotransformers</td>
<td>Rectifiers</td>
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<tr>
<td>Unit Substation</td>
<td>Mobile</td>
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<tr>
<td>Cast Coil</td>
<td>&lt;3 MVA &amp; 34.5 kV</td>
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<tr>
<td></td>
<td>&lt;300 MVA &amp; 345 kV</td>
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<td></td>
<td>&lt;60 MVA &amp; 115 kV</td>
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<tr>
<td></td>
<td>&lt;40 MVA &amp; 345 kV</td>
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<tr>
<td></td>
<td>&lt;5 MVA &amp; 34.5 kV</td>
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<td></td>
<td>&lt;180 MVA &amp; 69 kV</td>
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</table>

Designed and built to latest Rev IEEE, IEC, and CSA standards

WEG North American Transformer Factories

At WEG we have an open door policy and encourage customers and consultants to visit our facilities for on-site design reviews, inspections, and witness testing. Can’t make the trip to the WEG factory? No problem! We have capabilities to handle meetings remotely via webinar. You can even view transformer testing remotely via webcam. Our goal is to provide excellent customer service, manufacture a highly reliable product custom built to your specifications, and provide short cycle deliveries.
WEG Electric Corp. offers the following products, and more! With a full range of IEC/NEMA Global Certifications and a full line of products, WEG can supply the right solution for your needs anywhere in the world. To learn more about WEG’s products and solutions or to locate a Distributor near you, please call 1-855-WEG-WILL or visit www.weg.net/us.

**Low Voltage Motors,**
*Single and 3-Phase, 1/8 – 700HP*
- General Purpose Motors
- Explosion Proof Motors
- Crusher Duty Motors
- IEC Tru-Metric Motors
- Pump Motors including JP/JM
- P-Base Pump Motors
- Oil Well Pumping Motors
- Pool & Spa Motors
- Brake Motors
- Compressor Duty Motors
- Farm Duty Motors
- Poultry Fan Motors
- Auger Drive Motors
- IEEE 841 Motors
- Stainless Steel Wash Down Motors
- Saw Arbor Motors
- Cooling Tower Motors
- Commercial HVAC Motors
- Pad Mounted Motors
- Vector Duty Motors

**Variable Frequency Drives**
- Low Voltage 1/4 to 2500HP, 230V – 480V
- Medium Voltage 500-8000HP
- Multi-pump systems
- NEMA 4X
- Dynamic braking resistors
- Line and load reactors
- Plug and play technology
- Network communications: Profinet-DP, DeviceNet, Modbus-RTU
- PLC functions integrated
- Complete line of options and accessories

**Soft Starters**
- 3-1500HP
- Oriented start-up
- Built-in bypass contactor
- Universal source voltage (230-575V, 50/60Hz)
- Network communications: Profinet-DP, DeviceNet, Modbus-RTU
- Complete Line of options and accessories
- MV Soft-starter 3.3kV, 4.16kV: up to 3500HP, Withdrawable Power Stacks, & 8x PT100 Temperature monitoring

**Controls**
- Mini – Contactors
- IEC Contactors
- Thermal Overload Relays
- Manual Motor Protectors
- Molded Case Circuit Breakers
- Smart Relays
- Enclosed Starters: combination & non-combination,
- Pushbuttons & Pilot Lights
- Timing & Motor Protection Relays
- Terminal Blocks

**Custom Panels**
- Custom configured to your specification.
- NEMA 1, 12, 3R, 4 and 4X cabinets
- Quick delivery of preconfigured drives and soft starters
- UL 508 certified
- Low Voltage (230-460)
- Made in the U.S.A.

**Generators**
- Brushless Synchronous Generators for diesel gen-sets up to 4,200kVA
- Hydro-generators up to 25,000kVA
- Turbo-generators up to 62,500kVA

**Power Transformers**
- Built and engineered in North America
- Voltages < 345kV
- Ratings 5-250MVA
- Station class, oil filled, round core, copper windings
- Special configurations and designs available!
- Ask your WEG Sales Representative for details.
- Designed, built, and engineered to ANSI standards.

**Custom Solution Package Sales**
- WEG can package any of its products for ease of sale! Enjoy a single point of contact for the entire package of products and assistance from quote through after-sales support. Ask your WEG Sales Representative for details.

Please contact your authorized distributor: