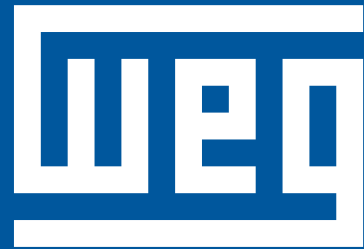
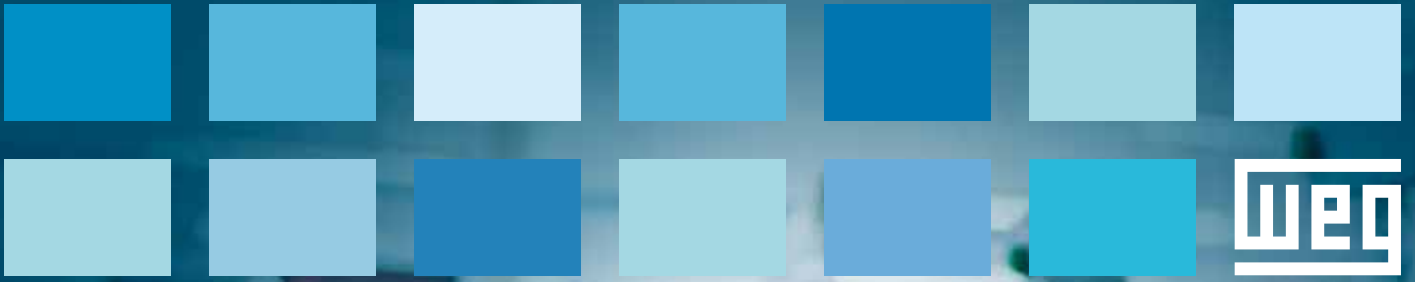


This is



Product Portfolio





AT **WEG**
WE ALWAYS
BELIEVE
IT IS POSSIBLE
TO DO BETTER.

Therefore, we work every day to make things better. All products, processes and developments are intended for the increase of efficiency.

*Any time,
any place.
This is WEG.*



Business Unit

• Electric Motors and Gearboxes

Efficiency and reliability for the industry.

High performance with maximum energy efficiency. This is the most important WEG electric motor feature.

WEG is regarded as one of the world's largest electric motor manufacturers. This Business Unit offers solutions for several types of applications, from commercial and residential to industrial, always focusing on customer needs.

In addition to commercializing its products through the network of Branches, Distributors and Agents, WEG provides service support to the customer, after-sales service network prepared for applications and installations, through its qualified Service Agents Network.

Efficiency

WEG manufactures a complete line of electric motors complying with and even exceeding all global markets required efficiency levels.

Our commitment to sustainability leads us to research new technologies to produce highly efficient products.

A verticalized company. Our vertical process guarantees the design and manufacture of a motor specially designed for your application, at the time you need it.

Improved efficiency motors providing higher reliability with lower operating cost, which results in more efficient production process.

Reliability

WEG is a vertical and integrated company, with the largest manufacturing site of electric motors in the world, all in one place.

Investments in research and technology innovation and continuous improvements in our production processes allow us to manufacture high reliability motors.

A team of engineers is dedicated to design motors with:

- Higher efficiency.
- Reduced size, vibration levels and temperature.
- High reliability.
- Lower operating cost.

Industrial Motors

General Purpose

- W22
- W22 Magnet
- W50
- HGF
- W40
- W11
- W20
- W22 Quattro

Definite Purpose

- W22 Mining
- W22 WELL
- W22 Wash
- W22 Close-Coupled Pump
- W22 Brake Motor
- W22 Smoke Extraction
- Fan motors
- Roller table
- Water cooled
- W22 for classified

Traction Motors

- Light duty vehicles
- Heavy duty vehicles
- Delivery vehicles

Gearboxes and Geared Motors

- Helical
- Parallel shaft
- Helical bevel
- Helical worm
- Motor adaptor
- Drive shaft

Appliance Motors

- PPSC (Permanent Split-Capacitor)
- CIM (Controlled Induction Motor)
- BLDC (Brushless Direct Current)
- WDD (Washer Direct Drive)
- External rotor DDM
- Washing machine
- Dryer
- TL - External Rotor
- Midway (Small & High)
- Air conditioning motors
- Fan and exhaust

Commercial Motors

- Jet pump
- Steel Laminated Motors
- Fuel pump
- Poultry Fan
- IEC 56
- WPump
- Explosion proof
- Grinding Motor
- W22 Single Phase
- Swimming pools and bathtubs
- High pressure washing machines

IoT Solutions

- WEG Motor Scan





Business Unit **Automation Technologies**

Industrial systems increasing productivity.

Leader in the Brazilian market for frequency drives, soft-starters and MCCs, the Automation Business Unit develops solutions to increase efficiency, productivity and competitiveness of its customers through process automation, with focus on operational safety and energy saving. This Business Unit stands out as the largest manufacturer of Integrated Electric Systems in Brazil and is a reference in the supply of Automation Systems, Drives & Controls, Machine Safety, Critical Power, Building & Infrastructure, Electric Mobility and Solar Energy.

Drives

- AC/DC Frequency Drives (power ratings up to 2,200 Adc)
- Frequency Drives (40 to 600 hp)
- Self-supported frequency drives (75 to 550 HP)
- Medium voltage frequency drives (up to 29,000 HP)
- Modular Drives (400 to 2,500 HP)
- Programmable logic controllers (PLCs) and operator interface (MMIs)
- Servomotors and servo drives AC
- Soft-starters (3 to 2,500 HP)
- Medium voltage soft-starters (up to 16,000 HP)



Controls

- Busbar trunking system
- Terminal blocks
- Power Factor Correction Capacitors, motors and lighting
- Starters
- Contactors and thermal overload relays
- Molded case circuit- breakers up
- Medium voltage circuit breakers
- Molded case circuit breakers
- Motor protective circuit breakers
- aR and gL / gG fuses
- Industrial Plugs and Sockets
- Timing and voltage monitoring relays
- Industrial Sensors and Power Supplies



Machine Safety

- Electronic zero-force touch buttons
- Safety Emergency Pull-Cable Switch
- Interlock switches
- Contactors for safety applications
- Safety light screens
- Automation Kit
- Safety relays
- Bidirectional sensor
- Magnetic sensors with safety function



Building & Infrastructure

- Residual current circuit breakers
- Minibreakers
- Surge suppressor
- Distribution boards
- Sockets & Switches



Critical Power

- Single phase low and medium voltage nobreaks
- Three-phase high voltage modular nobreaks
- Voltage stabilizers
- Digital rectifier with microprocessor
- Single-phase / three-phase drives
- Medical/IT- Insulation and ground fault monitoring system



Solar Energy

- Solar drives
- Smart energy meters
- Solar Integrated Electric Systems

Electric Traction

- Traction frequency drives

Electrical Panels

- Motor Control Centers (MCCs)
- MV Panels
- Load Centers
- E-houses





Business Unit Energy Generation

Flexible solutions for sustainable energy.

With the experience of those who have already manufactured more than 90,000 MVA of generators, the Energy Business Unit offers products for the most diverse applications, from a simple machine drawing to the most complex machinery, for internal and external environments. Besides commercializing the products, this Business Unit is focused on the after-sales support, with a network specialized in customer service, providing technical support on applications and installations.

Sustainable Energy

Efficient products that contribute to preserving the environment and generating clean energy.

Services

WEG offers repair, recovery and modernization services for medium and high voltage electric machines, hydraulic and steam turbines, planetary and parallel gearboxes, including other brands, carried out in the factory or on the field.

In addition to maintaining a wide range of specialized services in the field, the company has a network responsible for all after-sales support. These services include general service inquiries and on-field service, including diagnostics, machine commissioning and 24-hour on-call shifts.

Technical support has a trained and experienced team, qualified for the most diverse field situations and remote support, using the latest equipment, bringing reliability to the service provided.



Generators

- Alternators for generator sets
Power from 7.5 kVA
Voltages from 220 to 13,800 V
- Hydrogenerators
Power up to 150,000 kVA
Voltages up to 13,800 V
- Turbogenerators
Power up to 200,000 kVA, 2 and 4 poles
Voltages up to 13,800 V



Low and High Voltage Special Industrial Motors

- Induction motors
Power up to 50,000 kW
Voltages from 220 to 13,800 V
- Synchronous motors
Power up to 110,000 kW
Voltages from 220 to 13,800 V
- DC motors
Power up to 10,000 kW
Voltages from 110 to 1000 V dc



Hydraulic Turbines

- Power up to 50 MW
(rotor diameter up to 5 m)
- Francis
 - Kaplan (open pit and tubular S)
 - Pelton



Hydromechanical

- Forced ducts
- Butterfly valves
- Floodgates

Wind Turbines

Direct-drive permanent magnet technology (no gearbox)
Rated power: 2.0-4.2 MW
Voltage: 33-34.5 kV



Steam Turbines

They are applied in electric power generation or mechanical drives. They are made of modular constructions and guarantee greater flexibility of installation in each type of industrial process, always considering the practical way, safety, efficiency and, mainly, savings.

- Reaction and action technologies
- Backpressure and condensation types
- Nominal Rated output power of up to 150 MW
- Intake pressure up to 140 bar
- Intake temperature up to 540 °C
- Extraction pressure up to 45 bar
- Exhaust pressure from 0,10 bar to 16 bar



Planetary Gearboxes

They are available in models RPS, RPZ and G3 Full and coded from 150 to 620, with torque up to 7,500 kN.m. They can be used on mills, diffusers, feeder tables, conveyor belts, choppers, winches, cranes, drums, water meters and several other rotary drive machines that require large transmission ratios and/or compact spaces in the installation.

Turbo Gearboxes

The turbo gearboxes are used on turbine sets with electric power generator of up to 60 MW and are available from the RTS 200 to the 560 and from the ST 630 to the 900 models of the SuperTurbo line, which have an excellent semi-flexible gear coupling, which provides safety to the equipment and integrity to the set.



Business Unit Transmission & Distribution

Excellence in power supply technologies.

Transmission & Distribution Business Unit is focused on the industrial and energy transmission and distribution markets, offering products such as transformers, high voltage equipment and complete solutions, ranging from conventional turn-key substations to transformers, disconnectors and mobile solutions transformers repair and redesign services, which represent an annual manufacturing capacity of approximately 58 GVAs.

Excellence in Technology

Ensuring customer satisfaction is what drives the company to strive for excellence.

The quality of the products manufactured, along with a team prepared to develop solutions, are factors that drive this Business Unit in this goal: Excellence in Technology and Solutions, focused on Energy Supply.

- Interface with other products manufactured by the WEG Group.
- Availability of skilled labor and adequate structure to carry out repair and redesign services on the field.
- Experienced and qualified technical team, responsible for the turn-key substation projects, from the prospection, definition of the customer-based solution, projects management and administration until its construction and assembly.

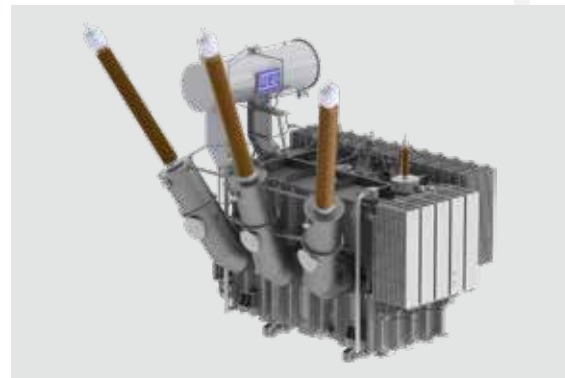
Integrated and Complete Solutions

- Products developed according to the specific needs of each customer.



Products

- High-voltage circuit-breakers
Rated current: 5,000 A
Rated voltage: 15 to 550 kV
- Distribution transformers
Power ratings: 15 to 300 kVA
Rated voltage: 15 / 24.2 or 36.2 kV
- Dry transformers
Power ratings: 112.5 to 20.000 kVA
Rated voltage: 15 / 24.2 or 36.2 kV
- Industrial transformers
Power ratings: 500 to 5,000 kVA
Rated voltage: 15 / 24,2 / 36,2 or 72,5 kV
- Transformers Pad Mounted
Power ratings: 150 to 3,000 kVA
Rated voltage: 15 / 24.2 or 36.2 kV
- Underground and submersible transformers
Power ratings: 150 to 2,000 kVA
Rated voltage: 15 / 24.2 kV or 36.2 kV
- Mini substations
Power ratings: 100 to 1,000 kVA
Rated voltage: up to 24.2 kV
- Power transformers and reactors
Power ratings: above 5,000 kVA
Rated voltage: up to 550 kV
- Arc furnace transformers and rectifier systems
Power ratings: above 3,000 to 150,000 kVA
Rated voltage: up to 36.2 kV (other voltages on request)
Direct current: up to 150 kA (rectifiers)



Solutions

- Conventional substations
Rated voltage: up to 550 kV
Turn-key contracts
- Mobile solutions (substations, transformers and mobile bay)
Rated voltage: up to 230 kV
Turn-key contracts

Services

- Repair and redesign in power transformers
Rated voltage: up to 550 kV





Business Unit ● Coatings

Paints offering full protection.

Offer integrated industrial solutions. It was with this purpose that this Business Unit was created, which counts today on a wide range of products, covering liquid and powder industrial paints, automotive refinish paints and electro-insulating varnishes. Today, this Business Unit is among the largest paint manufacturers in Latin America, considered the largest manufacturer of powder coatings in Brazil; Coatings Business Unit has an outstanding performance in the market for marine and anticorrosive paints.

Our Commitment

- Add value to customers by providing internationally competitive products and services.
- Continuously create value for our shareholders through a return that is higher than the cost of invested capital. Continuously motivate our employees and create opportunities for personal and professional development.
- Being a citizen company, participating in community life and protecting the environment.

Main Segments

- WEG Coatings are present in oil platforms, ships, power plants, metal structures, agricultural machinery and equipment, home appliances, leisure equipment, automotive refinishing, road and auto parts, metal furniture, mirrors, plastics, glass, lighting, fishing and leisure boats, among many other segments.

Technology

- Investments in technology and team training are provided continuously. WEG walks front of technology updates, searching for a purpose: manufacturing environmentally friendly paints containing a minimum of toxic components, preserving the environment, investing in processes and advanced machines, guaranteeing delivery in time increasingly reduced and with assured quality.



Liquid Paints

- Primers and alkyds, epoxies and polyurethanes
- High temperature and oven drying enamel
- Epoxy for wet surfaces
- Anticorrosive paints
- Marine paints
- Petrobras standardized paints
- Hydrosoluble paints
- Anti-flame coating for wood and metal
- Coatings for glass and mirrors
- Coatings for plastics
- Coatings for wheels
- Coatings for wind towers, blades and wind turbines



Powder Paints

- Hybrid
- Epoxy
- Polyester
- Antimicrobial
- Rich in zinc
- Heavy metal free
- Low cure
- Thermochromic
- Anti-flame
- Low layer
- High layer
- Polyester anticorrosive
- Polyester super durable
- Polyester TGIC free



Electro-insulating Varnishes

- Impregnation
- Protective primers and varnishes
- Wire enamel



Automotive Refinishing

- Pastes
- Primers
- Basecoats
- Mixing system
- Varnishes
- Finishing
- Water base
- Ready paint
- Diluents and auxiliaries



This is WEG

Complete solutions for the industry at the speed the market demands.

Every day, covering all market segments: from small systems to large projects. Always paying attention to details, being proactive in solving problems and in the relationship with customers.


WEG is present throughout the world with factories, commercial branches, a wide network of Service Agents and, in some way, in our day to day, with technology in production processes of a wide range of products.

With this in mind, WEG maintains its focus on people and on protecting the planet. Therefore, the company invests in technology to develop highly efficient solutions for sustainability promotion.

Any time, any place. Transforming energy into solutions for your company.

Certifications





**THE GLOBAL
SOLUTION**
WITH ELECTRIC MACHINES
AND AUTOMATION FOR THE
INDUSTRY AND
ENERGY SYSTEMS.



WEG Group
Jaraguá do Sul - SC - Brazil
Phone: +55 47 3276 4000
info-br@weg.net
www.weg.net