JST POWER EQUIPMENT

Transformers and Switchgear

Transformer, Switchgear and Electrical Power Solutions



30+ Years

Production and Operating Experience

A Global Leader in the Electrical Industry:

30+
Years of Production and Operating Experience

80+
Countries with JST Products

2,300+
Employees

200,000+
Dry-Type Transformers Installed

21,900+
Unit Substations Installed

80,000+
Switchgear Sections Installed

11
Manufacturing Plants

Transformers

Dry-type and oil-filled transformers each offer unique features and advantages. Depending on the requirements profile in your application case, we will find the right solution to fit your needs.

Dry-Type Transformers

Environmentally friendly alternatives to oil-filled transformers with higher performance and better electrical properties:

- Cast resin voltage levels up to 72.5 kV (BIL up to 350 kV) and power ratings of 45MVA
- VPI voltage levels up to 25 kV (BIL up to 110 kV) and power ratings of 15MVA
- Easy maintenance and servicing
- Cooling operation at higher outputs through fans and cooling ducts
- Robust structure to prevent damage from electrical fault







Pad Mounted Transformers

Our single-phase and three-phase liquid-filled pad mounted transformers serve a variety of industry applications. These solutions offer the following advantages:

- Single-phase voltage levels up to 34.5 kV
- Single-phase power ratings up to 167 kVA
- Three-phase voltage levels up to 44 kV
- Three-phase power ratings up to 10,000 kVA
- Space-saving, compact design
- High-quality production materials and solid workmanship
- Easy to install with low maintenance

Power Transformers

Fully customizable, robust construction with maximum durability and low maintenance for optimum power distribution for low to medium voltage power levels:

- Power ratings 5–600 MVA
- Primary voltage up to 500 kV (1800 BIL)
- Capacity to operate under harsh industrial conditions
- Optimized performance and reduced operational costs
- Compact size allows for easy integration



Medium Voltage Switchgear

JST Power Equipment's switchgear products offer you the most flexible options to suit your power distribution needs.
Our solutions are engineered for quality and built to last.



Gas-Insulated Switchgear

We offer robust and compact gas-insulated switchgear products in various system configurations and insulator types, including an environmentally friendly, non-SF6 option. They are engineered for use in a variety of applications and include:

- J10X™ RMU (SF_6): 38 kV / 600 A / 25 kA
- J20X™ CGIS (SF_6): 38 kV / 3000 A / 40 kA
- J20X™ CGIS (SF_6): 69 kV / 1200 A / 31.5 kA
- J10N™ Dry Air GIS: 5 kV / 600 A / 20 kA
- J20N™ Dry Air GIS: 38 kV / 1200 A / 31.5 kA

Unit Substations

Our modular systems provide comprehensive coverage, from medium to low voltage, and practical advantages such as a small footprint, flexibility for relocation and predictable investment costs.



- Manufactured and tested in-house to meet the highest quality standards.
- Streamlined commissioning process reduces overall lead times.
- Standardized ISO container dimensions and sheet metal construction significantly simplifies handling and transport.
- A proven track record of success with reliability from a single source.

Medium Voltage Unit Substation

Our packaged substations include fully functional HV/LV switching, control and protection, metering, reactor compensation and more. These substations have the added advantages of small substation footprint, flexibility to move and relocate, low capital investment, unobtrusive and attractive appearance.



- Voltage level up to 38 kV
- Current level up to 630 A / 1250 A
- Up to 30% space savings
- Overall cost up to 25% lower than traditional substations



Outdoor Substation Breaker

Our OD3MAG™ Outdoor Substation Breaker is the first medium voltage substation breaker that allows the choice of single-phase or three-phase operation. Combined with a robust enclosure that prevents moisture and contamination ingress, the OD3Mag breakder uses field-proven magnetic actuation to significantly reduce O&M spend.

- 15.5 kV / 2000 A / 31.5 kAIC / 125 kV BIL
- Single-phase capability with independent pole actuators
- Magnetic actuation eliminates the need for lubrication and structural torquing of break drive components.

Transforming the Future of Power

Transformer, Switchgear and Electrical Power Solutions

- **Industry-Leading Lead Times**
  JST leads the industry with fast, reliable lead times that keep projects moving.

- **Ease of Doing Business**
  JST empowers teams to act quickly and decisively, allowing us to adapt, respond, and serve customers with speed and agility.

- **Locations Built Around Our Customers**
  We follow our customers here in North America and worldwide, establishing manufacturing and operations where they need us - when they need us.



Power Transformers



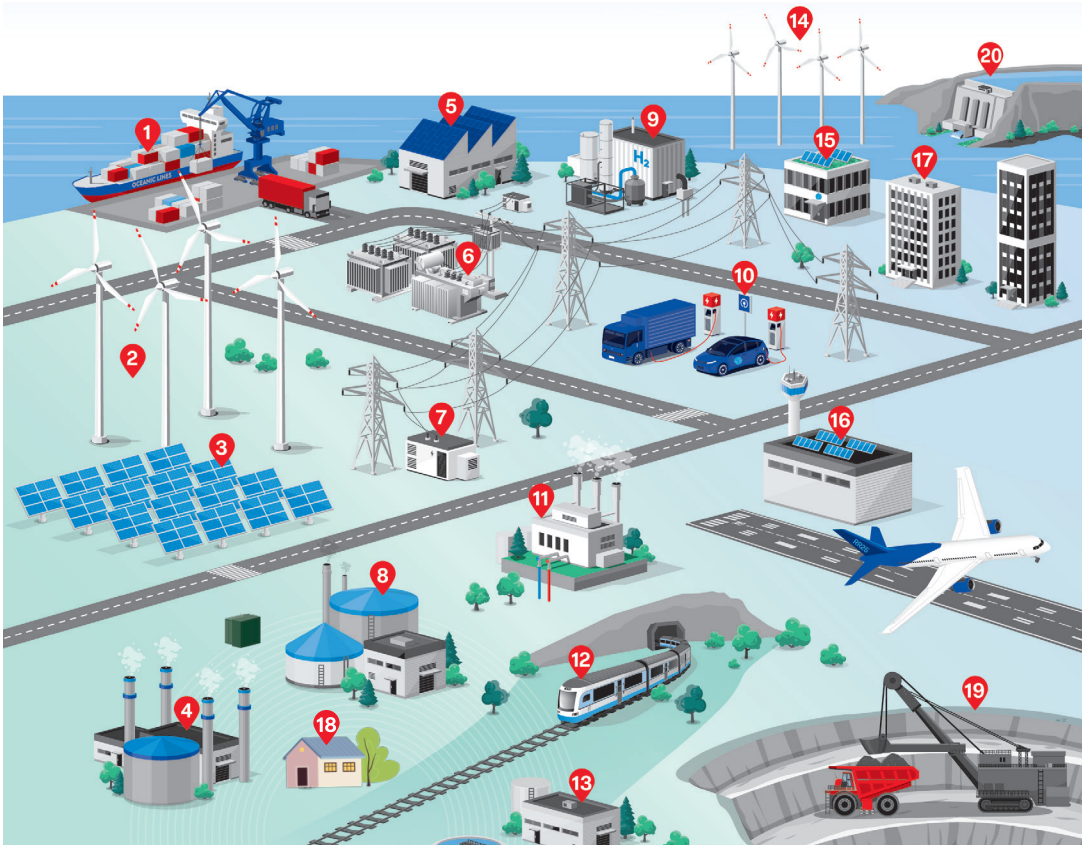
Dry Type Transformers



Outdoor Breakers



Pad Mount Transformers



1. Ships & Ports
2. Onshore Wind Energy
3. Solar/Renewable Energy Stations
4. Oil & Gas
5. Industrial Facilities
6. Substations
7. Power Distribution
8. Biomass
9. Hydrogen Generation
10. E-Charging
11. Power Plants
12. Railway Systems
13. Water & Wastewater
14. Offshore Energy
15. Data Centers
16. Airports
17. Commercial Buildings
18. Residential
19. Mining Industry
20. Hydro Power

Services - Field Service

Service and support every step of the way - we take pride in our ability to provide after-sales service support and the high level of customer satisfaction that results.

Our dedicated service team of highly trained and experienced technicians have the capability to address our customers' needs, with services ranging from obtaining parts to providing onsite field service.

- Assistance with installation / commissioning
- Field testing
- Field repairs and retrofitting
- Installation of replacement parts
- Arc flash studies and mitigation work
- Breaker repairs and upgrades
- Onsite transformer repairs
- Transformer refurbishment program

Want to know more or inquire with our team? Scan here.

A Standard of Excellence

Our Customer Commitment

- Outstanding customer service when and where you need it
- Dedicated planning and engineering
- Industry-leading delivery times
- Exceptional customer-awarded product quality standard
- End-to-end project management and after-sales service

JST Power Equipment Around the World

Want to know more or inquire with our team? Scan here.



About Us

At JST Power Equipment, we pride ourselves on delivering world-class transformer and electrical equipment solutions. The key to our success is the ability to provide quality products with speed and precision through the dedication of our talented team.

For over 30 years, we've evolved to become an innovator in the electrical industry and we work hard to design and build our products to the highest quality standards. And as we look toward the future, we're continuously investing in our technology, facilities and people to engineer the best solutions in the industry and create more value for our customers.

At JST we're more than a manufacturer, we're transforming the future of power.

WHERE YOU CAN FIND US

North America

- **Orlando, FL USA**
  - Switchgear
  - Outdoor substation breakers
- **Wytheville, VA USA**
  - Liquid-filled, three-phase padmount transformers
- **Nogales, Mexico**
  - Cast resin dry type transformers
  - Switchgear
  - Materials, components, and sub assemblies

Asia

- **Tongxiang, China**
  - VPI transformers
- **Guilin, China**
  - Unit substations
  - Cast resin dry type transformers
  - Materials, components, & sub assemblies
- **Haikou, China**
  - Materials, components, and sub assemblies
  - Cast resin dry type transformers
- **Shanghai, China**
  - VPI transformers
  - Switchgear
- **Wuhan, China**
  - Cast resin dry type transformers
  - Substation power transformers
  - Materials, components, and sub assemblies
- **Yangzhou, China**
  - Liquid-filled, padmount transformers
  - Outdoor substation breakers
  - Switchgear
- Surabaya, Indonesia
  - Substation power transformers
- Klang, Malaysia
  - Liquid-filled, padmount transformers
  - Switchgear
  - Outdoor substation breakers

JST POWER EQUIPMENT

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