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## SWITCHGEAR 5KV-38KV



Using SF6 & Solid Dielectric Technologies, G&W offers Padmount, Vault & Overhead Switchgear, Reclosers, and Automation Products. Current Limiting System Protection, LaZer Automation solutions (automatic transfer, voltage loss, reconfiguration, fault isolation reconfiguration and smart grids), Cable Accessories and Junction Bars

**Territory: NC, SC & VA - C&I MARKETS**  
**Website: [G&W ELECTRIC WEBSITE](#)**



**Air-Insulated Switchgear** – AIS: 5-15kv ratings. Proudly manufactured in Lake Mary, Florida, our medium voltage air insulated switchgear provides safe, reliable switching and fault protection. JST Power Equipment type J100CLAD™ is an IEEE-rated, non-arc-resistant, metal-clad switchgear product line with Type J3MAG™ vacuum circuit breakers.

**J3MAG™ Breaker:** The J3MAG™ offers several advanced features, including single-phase operation and independent pole actuators, and its limited moving parts reduce overall maintenance costs to a bare minimum and improve system reliability.

**Gas Insulated Switchgear** – GIS: JST's Medium voltage gas-insulated switchgear offering consists of fixed-mounted vacuum circuit breakers that are connected to the main bus through three-position switches. JST's gas insulated switchgear a new generation of miniaturization gas insulated medium voltage switchgear for distribution applications that utilizes advanced technologies of laser, sensing, composite insulation and electric field optimization, informatized and intelligent production and control methods to ensure product's quality and reliability. JST's medium voltage gas-insulated switchgear is tested according to the following standards: IEC 62271-200, IEC 62271-103, IEC 62271-105, IEC 62271-102, IEC 62271-100, IEC 480, GB11023, GB12022 and GB11033

**J20X™:** Medium voltage applications using SF6 gas and Air as an insulating medium. For use on lighter duty secondary distribution applications, we offer a variety of panel designs at the standard ratings:

12kV / 630A / 20kA J20XGear: Cubicle Type Gas insulated Switchgear (C-GIS type Metal Enclosed Switchgear)

**Territory: NC, SC & VA - C&I MARKETS excluding Renewable Energy**  
**Website: [JST POWER MV GEAR](#)**



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## SWITCHGEAR 5KV-38KV



Our Metal-Enclosed and Metal-Clad and Arc-Resistant switchgear families cover applications up to 38kV, 5,000A, 60kA. Our MODU-ALTM aluminum profiles eliminate the inaccuracies related to the manufacture of conventional steel panels, while providing strength and flexibility, giving us endless possibilities to design custom switchgear that fits your requirements.

**Voltage: from 1,000 V to 38,000 V**  
**Current: 800 A to 5000 A**  
**Short-Circuit Current: 25 kA, 40 kA, 60 kA and 85 kA**  
**Type: Metal-Enclosed (ME) and Metal-Clad (MC)**

**Territory: NC, SC & VA – ALL MARKETS**

**Website: [C07 MV GEAR](#)**

## SWITCHGEAR LV



Our engineered-to-order, custom-built Low Voltage Switchgear family is designed to NEMA standards in accordance with CSA C22.2 No 14 and IEEE C37.20.1. Our solutions are available in draw-out or fixed mounted designs with main bus continuous current ratings from 600 A to 5,000 A, up to 100 kA symmetrical short circuit current, and voltage ratings up to 600 V. Many enclosure options are available, including NEMA 1, NEMA 3R or Stainless Steel. CO7 Technologies Low Voltage Metal Enclosed Switchgear features the latest in distribution and control technology. Our Arc Resistant Low Voltage Switchgear is designed to protect your personnel and equipment from the destructive energy and force of an arc flash incident. Our ArcRes Switchgear utilizes specially designed ducting to safely exhaust any arc flash incidents out of the area and away from your personnel and equipment. ArcRes Low Voltage Switchgear is designed with the latest power circuit breaker and solid state trip unit technology with continuous current capacity up to 5,000 A, interrupting rating of 100 kAIC and voltage ratings up to 600V.

**Voltage: from 480 V to 600 V**  
**Current: 800 A to 5000 A**  
**Short-Circuit Current: 42 kA, 65 kA, 85 kA and 100 kA**  
**Type: Metal-Enclosed (ME)**

**Territory: NC, SC & VA – ALL MARKETS**

**Website: [C07 LV GEAR](#)**



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## LIQUID FILLED TRANSFORMERS - 1 PHASE, 3 PHASE & POWER UNITS

- Medium Power 10-40 MVA, 161 kV & Below)
- Small Power (225-10,000 kVA, 46 kV & Below)
- 3-Ph. Pad-Mount (45-10,000 kVA, 34.5 kV & Below)
- 1-Ph. Pad-Mount (5-500 kVA, 34.5kV & Below)
- 1 & 3-Ph. Overhead, Submersible
- Voltage Regulators (50-1665 Amps, 50-833 kVA, 2.5-19.92 kV)
- Junction Enclosures
- Sectionalizing Equipment.

**Territory: NC & SC - C&I MARKETS**

**Website: [HOWARD WEBSITE](#)**

## DRY TYPE TRANSFORMERS - 1 PHASE, 3 PHASE & POWER UNITS



### Cast Resin Transformers:

Voltage: Up to 40.5KV  
BIL: Up to 200kV  
Ratings: Up to 45 MVA  
Fan cooling available  
Enclosure NEMA 1, 12, 3R, 4 & 4X  
Rated power: 100kVA – 45MVA  
High Voltage: 600V – 40kV  
Typical High Voltages (kV): 2.3, 4.16, 8.7, 12.47,13.2, 13.8, 25, 34.5  
Low Voltage: 0.208, 0.24, 0.48, 2.4, 4.16, 6.9, 12.47, 13.2, 13.8

### VPI:

Voltage: Up to 15 kV  
BIL: Up to 110kV  
Ratings: Up to 14.5 MVA  
Enclosure NEMA 1, 12, 3R, 4 & 4X  
Rated power: 100kVA – 14.5 MVA  
High Voltage: 600V – 15kV  
Typical High Voltages (kV): 2.3, 4.16, 8.7, 12.47,13.2, 13.8,15  
Low Voltage: 0.208, 0.24, 0.48, 2.4, 4.16

**Territory: NC, SC & VA - C&I MARKETS excluding Renewable Energy**

**Website: [JST POWER DRY TYPE TRANSFORMERS](#)**



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## INSTRUMENT TRANSFORMERS - LV & MV



ARTECHE USA is a North American manufacturer of low voltage and medium voltage (up to 69kV) instrument transformers. ARTECHE Medium Voltage Outdoor Instrument Transformers are oil free, manufactured with vacuum casting or with automatic pressure gelation (APG) for high dielectric strength. Excellent frequency response allows the ARTECHE product to be successfully applied in power quality monitoring and harmonics measurement. Capacitor banks and harmonic filters, highly specialized in electrical engineering for harmonics filtering and reactive power compensation systems at low, medium, and high voltages levels.

**Territory: NC, SC & VA – ALL MARKETS**

**Website: [ARTECHE WEBSITE](#)**

## INSTRUMENT TRANSFORMERS - HV



Current and voltage – our passion

Pfiffner is an established High Voltage Instrument Transformer manufacturer in the world market with over 80 years of experience designing and manufacturing HVITs. They have an impeccable record and reputation for quality and service throughout the world. Their core strengths are Swiss quality and craftsmanship from development to delivery. Products include Current Transformers up to 550KV, Inductive Voltage Transformers up to 245KV, Capacitive Voltage Transformers up to 550KV, Resistive Capacitive Voltage Dividers/ROF up to 550KV, Combined Instrument Transformers up to 170KV and Ring Core Current Transformers/High Current Transformers

**Territory: NC & SC– ALL MARKETS**

**Website: [PFIFFNER WEBSITE](#)**

## EPC



Beta Engineering designs and builds high-voltage projects, specializing in services for gas-insulated switchgear (GIS) projects, switchyards, substations, FACTS and transmission lines. We maintain the engineering and construction qualifications to perform work across the U.S. No matter what challenges you are facing, we can provide the resources, experience and expertise to help you meet your project goals. We have been exceeding customer expectations on substation and transmission line projects for more than 45 years.

**Territory: NC, SC & VA– ALL MARKETS**

**Website: [BETA ENGINEERING WEBSITE](#)**



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## DC POWER SYSTEMS



Battery Chargers (Utility, Marine, Stand-by Generation, Mining, Railroad, Aviation) Rectifiers, Battery Eliminators, Power Boards, Power Supplies, DC-DC Converters, DC Breaker Panels, DC Distribution Panels.

**Territory: NC, SC & VA – ALL MARKETS**

**Website: [LAMARCHE WEBSITE](#)**



Fork Lift Power

Critical Power Solutions

- Batteries and chargers
- UPS systems and generators
- Service and install
- BESS Systems

Onsite Maintenance Solutions for DC systems

**Territory: NC, SC & VA – ALL MARKETS**

**Website: [CONCENTRIC WEBSITE](#)**

## POLES AND STEEL STRUCTURES



Tubular Steel Poles: 25 kV to 765 kV, Direct-embedded, or base-plated on anchor bolt foundations, Galvanized or weathering steel, Pre-engineered standard class poles or custom poles, Monopoles, H-frames, Ystructures, or other designs, Tangents, angles, and deadends, Slip-jointed or flange-jointed, In-house pole testing facility Steel Lattice Towers: 66 kV to 800 kV, Single, double or multi-circuit, Twin, quad, hex or other conductor, Bundle configurations, Tangents, angles and deadends, In-house tower testing facility.

**Territory: NC, SC & VA – ALL MARKETS**

**Website: [SKIPPER WEBSITE](#)**

## BREAKERS

### VOX7

If the name sounds familiar, that's because the VOX has been commercialized for more than two decades by Areva and Schneider Electric. CO7 Technologies acquired the intellectual properties and assets with the intent of focusing our efforts on developing and expanding the VOX family. Designed and built in our state-of-the-art facility in Montreal, the VOX7 combines the best new and proven technology for outdoor distribution applications up to 38 kV, and it is now SF6-free.

VOX combines the best new and proven technology for outdoor distribution applications up to 38 kV, and has been designed and tested to meet the requirements of the relevant applicable IEC, BS, AS, ANSI, IEEE, GOST and GB standards.

**LINK: [VOX7 DATASHEET](#)**

### VSB

Design for the North American conditions, CO7 Technologies VSB indoor and outdoor vacuum air insulated substation circuit breakers combine the proven medium voltage circuit breaker technology from Schneider Electric and CO7 with our industry-leading design. Engineered and built in our facilities in Montreal (QC) and Sherbrooke, Canada, the VSB Station Breaker meets or exceeds relevant IEEE/ANSI standards for indoor and outdoor circuit breakers at 27kV, up to 2500A

**LINK: [VSB LINK](#)**

**Territory: NC, SC & VA – ALL MARKETS**

**Website: [C07 WEBSITE](#)**

## OVERHEAD LINE PROTECTION

### LineWatch L & M

Distribution Grid Sensing and Monitoring for Low Voltage Applications Line Watch Low voltage provides real-time, near revenue grade electrical power distribution, grid sensing and monitoring system for low voltage applications. Its robust and versatile design allows for installation in both overhead and underground locations and can support any communications network. Line Watch delivers near revenue grade (0.5%) current and voltage accuracies.

**LINK: [LINEWATCH L DATASHEET](#)**

**LINK: [LINEWATCH M DATASHEET](#)**

**Territory: NC, SC & VA – ALL MARKETS**

**Website: [C07 WEBSITE](#)**





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