ELECTRICAL POWER PRODUCTS, INC.

Manufacturers Representative

Charlie Gossage III – President (Covers SC and NC)
Mobile – (336)402-9201
Email: crgossage3@elecpwrprod.com

Zach Gossage – Vice President (Covers VA and NC)
Mobile – (336)601-9006
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SWITCHGEAR 5KV-38KV

G&W Electric
Engineered to order. Built to last.

Using SF6 & Solid Dielectric Technologies, G&W offers Pad mount, 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***

C07 TECHNOLOGIES

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

C07 TECHNOLOGIES

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

HOWARD™

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

INSTRUMENT TRANSFORMERS - LV & MV

arteche

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

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INSTRUMENT TRANSFORMERS - HV

PFIFFNER
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

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

DC POWER SYSTEMS

LaMARCHE®
ISO 9001:2015 CERTIFIED

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

CONCENTRIC
Engineering Uptime.

Forklift 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

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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 dead ends, 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 dead ends, In-house tower testing facility.

Territory: NC, SC & VA – ALL MARKETS
Website: ***SKIPPER*** ***WEBSITE***

BREAKERS

VOX / 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: ***VOX DATASHEET***
LINK: ***VOX7 DATASHEET***

VOX TECHNICAL:

Technical characteristics		IEC/BS/AS	ANSI	GOST/GB
Rated maximum voltage	kV	36	38	40.5
Rated impulse withstand voltage	kVp	170 - 200	200 (258 kVp chopped wave)	190
Power frequency withstand voltage	kV	70/80/95	80	95
Rated continuous current	A	1 200 / 2 000		
Rated withstand current (3s)	kA	25 / 31.5 / 40		
Rated arc fault containment	kA	25-1s / 31.5-0.5s		
Rated short circuit breaking current	kA	25 / 31.5 / 40		
Closing and latching capability	kAp	65 / 82 / 100		
Operating sequence		OCO-15s-CO (IEC) O-0.3s-CO-15s-CO (ANSI)		
Number of operations at rated current		10 000		
Number of operations at short circuit current		100		
Gas fill pressure	bar	1.5		
Control voltage	VDC VAC	24,48,125, 250 120, 240		
Environment				
Operating temperature range	°C	-40 to +40 (option -60 to +55)		
Relative humidity	%	0 - 100		
Altitude (maximum for quoted ratings)	ft / m	10 000 / 3 000		
Seismic withstand	g	0.5		

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BREAKERS

VOX7 TECHINCAL:

Technical characteristics		IEC/BS/AS	ANSI	GOST/GB
Rated maximum voltage	kV	36	38	40.5
Rated impulse withstand voltage	kVp	170	170 (200 – Q4 2024)	190
Power frequency withstand voltage	kV	70/80/95	80	95
Rated continuous current	A	1 200 / 2 000		
Rated withstand current (3s)	kA	25 / 31.5		
Rated arc fault containment	kA	25-1s / 31.5-0.5		
Rated short circuit breaking current	kA	25 / 31.5		
Closing and latching capability	kAp	65		
Operating sequence		OCO-15s-CO (IEC) O-0.3s-CO-15s-CO (ANSI)		
Number of operations at rated current		10 000		
Number of operations at short circuit current		100		
Gas fill pressure	bar	Up to 2.8		
Control voltage	VDCVAC	24,48,125, 250 120, 240		
Environment				
Operating temperature range	°C	-40 to +40 (option -60 to +55)		
Relative humidity	%	0 - 100		
Altitude (maximum for quoted ratings)	ft / m	10 000 / 3 000		
Seismic withstand	g	0.5 (option 1.0)		

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***

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BREAKERS

VSB TECHNICAL:

Technical Characteristics		
Nominal Curent	A	1200 / 2000 / 2500/ 3000 / 4000
Rated maximum voltage	kVrms	15 / 29.8
Power frequency withstand voltage	kVrms	50 / 60
Lightning Impulse level	kVp	150
Short-circuit interrupting current (sym.)	kA	12.5 / 25 / 31.5
DC component (asymmetry)	ms	45 / 75
Short-circuit time withstand current (1s)	kA	25 / 31.5
Standard operating duty		O-0.3s-CO-15s-CO
Maximum interrupting time		3.5 cycles
Control voltage	Vdc Vac	24,48,125, 250 120, 240
Environment		
Operating temperature range	°C (F)	- 50 to + 40 (-58 to 104)
Relative humidity	%	0 - 100
Altitude	m / ft	1,000 / 3,280
Seismic withstand	G	0.5 / 1

LINE PROTECTION

C07 TECHNOLOGIES

Line Watch 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 MAKETS
Website: ***C07 WEBSITE***

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