

Portable Power Distribution for Data Centers

PowerTemp.com



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Power Temp Systems

Overview

Established in 1991 as a supplier of specialized “built-to-order” products, we have since developed a complete line of standard portable electrical products that use the latest technology, while maintaining the quality and versatility you have come to expect from Power Temp Systems, Inc. All of our products are engineered and designed to meet or exceed all NEC, UL, ETL, and NEMA standards and regulations for use in all types of environments and applications.



30+ Years Ensuring 24/7 Reliable Power



Equipment Designed and Manufactured in the U.S.A



Reputable Nationwide Sales Network

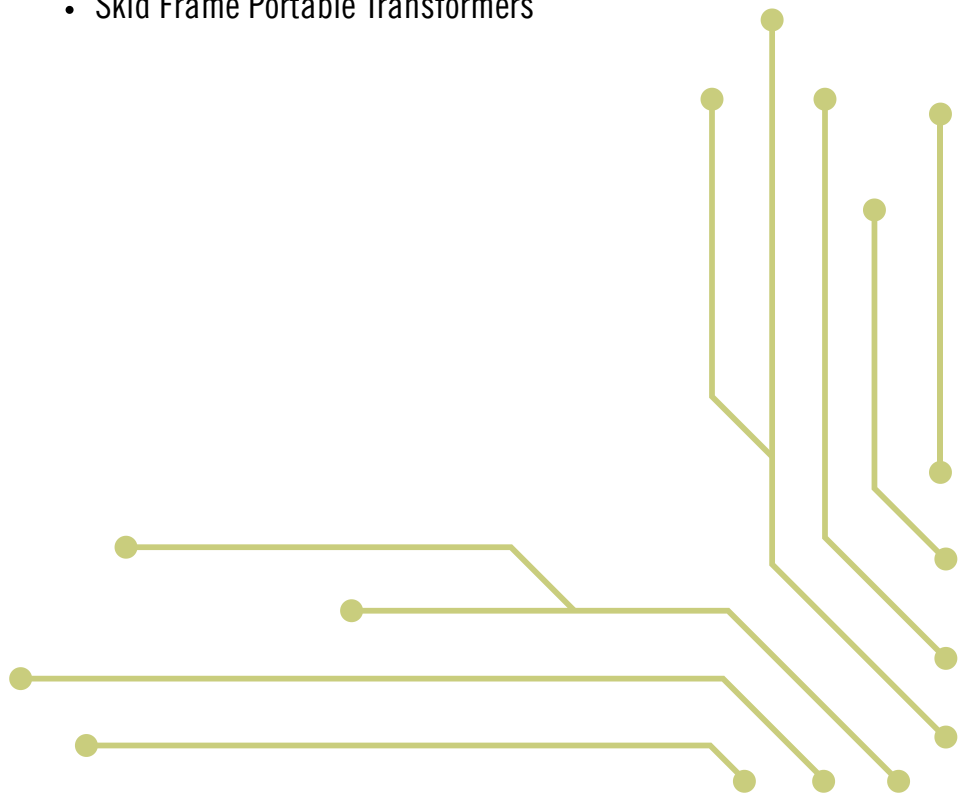
Portable Transformers

Overview

Power Temp Systems' portable transformers are industrial-grade solutions designed to deliver reliable power wherever it's needed, making them ideal for data centers during maintenance, expansion, or emergency situations. Whether stepping voltage up, down, or conditioning it for sensitive equipment, these units ensure consistent power delivery to support critical operations.

Applicable Equipment

- Two-Wheel Portable Transformers
- Skid Frame Portable Transformers



Two-Wheel Portable Transformers

Standard Features

- 15 to 45kVA
- 480 to 600V Δ capabilities (primary side) with selector switch
- 120/208V Y (secondary)
- GFCI protected receptacles
- Over-tilt protection on 30 and 45kVA tilt & roll models
- Equipped with no-flat tires
- (1) Lifting eye
- Fall protection roof
- Polyester powder-coat finish
- Primary and secondary protection
- NEMA Type 3R aluminum weatherproof for outdoor use
- UL 1640



Skid Frame Portable Transformers

Standard Features

- 45 to 1500 kVA
- Four-wheel heavy-duty skid frames available up to 150kVA
- Heavy-duty swivel casters
- Tool basket available on 45 to 150kVA models
- Four-way forklift pockets
- (4) Heavy-duty, lifting eyes on all models
- Stackable frames on 45 to 150kVA models
- Polyester powder-coat finish
- Primary and secondary protection
- NEMA Type 3R UL weatherproof for outdoor use
- UL 1640 up to 500 kVA
- 16 Series Cam Lok™ input and output



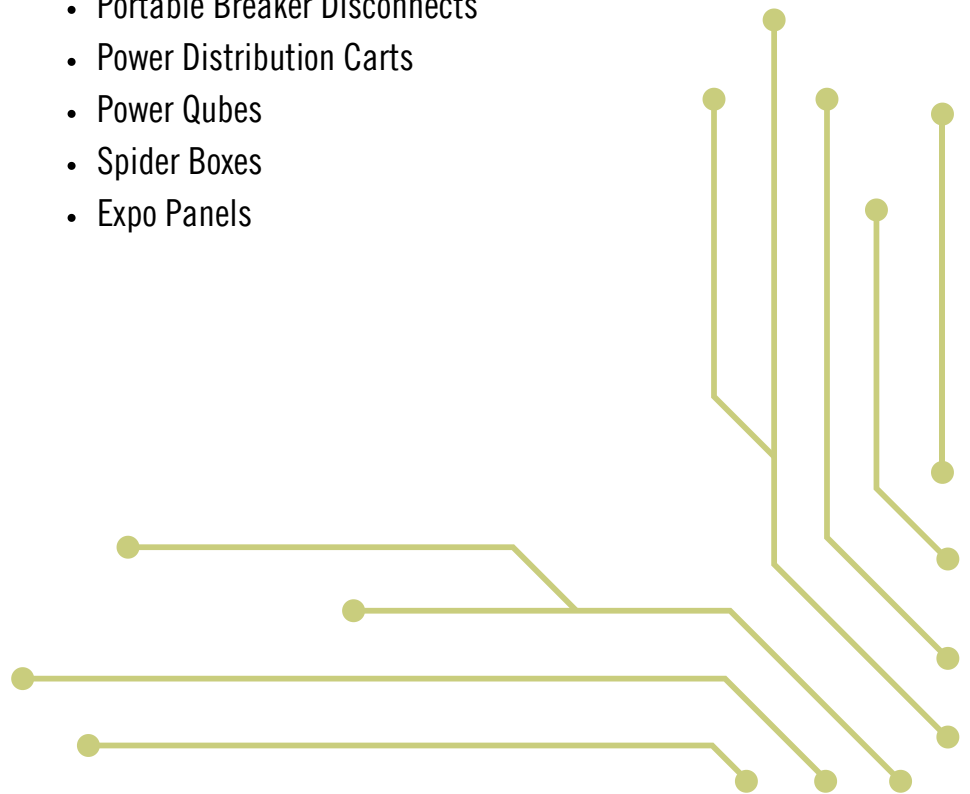
Power Distribution Panels

Overview

Ensure reliable, mobile power distribution for your data center operations with Power Temp Systems' power distribution panels and boxes. From spider boxes and power cubes to tilt & roll and I-Line panels, we offer both standard and customizable solutions ideal for temporary setups, maintenance support, or emergency response, delivering the flexibility and performance critical infrastructure demands.

Applicable Equipment

- I-Line Panels
- Portable Breaker Disconnects
- Power Distribution Carts
- Power Qubes
- Spider Boxes
- Expo Panels



I-Line Panels

Simplify power distribution in data centers with Power Temp Systems' adaptable I-Line Panels, featuring standard and customizable configurations. Built on the Square D™ system, they allow easy in-field breaker changes, delivering flexibility and reliability for critical infrastructure needs.

Standard Features

- 400A to 6000A configurations
- 27" to 216" breaker space
- 45° flip cover Cam-Lok™ inputs with locking access door
- Capable of operating at a wide range of voltages (208V to 600V)
- 15 to 1200A breakers
- Removable gland plate for easy installation of output devices
- Polyester powder-coated steel rack
- Four-way forklift / pallet jack accessible
- Four-point recessed lifting eyes
- Polyester powder-coated aluminum enclosure
- External grounding connection
- NEMA Type 3R UL weatherproof for outdoor use
- UL listed up to 1200A (UL 1640)

Optional Features

- Heavy-duty polyester swivel casters
- Heavy-duty aluminum powder-coated rack
- Galvanized steel frame
- Casters available up to 1200A
- S.E.R. (Service Entrance Rated) main circuit breaker options available
- Cam-Lok™ outputs
- Smart Lug hard wire inputs with locking access door
- Additional customization available by request



Portable Breaker Disconnects

Power Temp Systems' portable breaker disconnects provide reliable, cost-effective power control, ideal for data centers during maintenance, upgrades, or emergency scenarios. With a variety of breaker and connectivity options, they offer the flexibility needed to support critical power continuity.

Standard Features

- 100 to 6000A adjustable breaker disconnects
- Patented smart T-Slot, lug, and Cam-Lok™ connections
- “Tilt & Roll” cart or skid mounted depending on size

Optional Features

- Available with various breaker options (adjustable/non-adjustable, LSIG, ERMS), as well as various accessories (chicken switch, etc.).



Power Distribution Carts

Support mobile power distribution in data center environments with our portable power distribution carts. Designed for flexibility during maintenance, expansions, or temporary setups, these carts are available in standard and customizable configurations to meet critical on-the-go power needs. Rely on our proven expertise and innovative design to ensure safe, efficient, and scalable power distribution wherever it's needed.

Standard Features

- 100A to 400A configurations
- 120/208V 3Ø input (5-W Set 16 Series Cam-Lok™ or IEC-309 Pin & Sleeve)
- High-quality output devices
- Heavy-duty welded steel two-wheel cart
- Solid/foam-filled tires for hard or soft surfaces
- Fork lift pockets
- Push/pull handle
- Powder-coated aluminum enclosure
- Stackable, steel, powder-coated finish frame
- NEMA Type 3R UL weatherproof for outdoor use

Optional Features

- Stainless steel enclosure
- Stackable aluminum frames
- Feedthrough
- Removable gland plates for ease of output exchange
- 277/480V 3Ø options available
- Additional customizations are available by special request



Power Qubes

Enable compact and reliable power distribution in data center environments with Power Temp Systems' power qube. Available in 100 Amp to 400 Amp configurations, these stackable, portable units feature durable powder-coated aluminum or high-impact, weatherproof rubber enclosures. They are ideal for temporary setups, maintenance, or expansion projects where space and flexibility are essential.

Standard Features

- 100 Amp – 400 Amp configurations
- 208Y/120V 3Ø input (5-W Set 16 Series Cam-Lok™ or IEC-309 Pin & Sleeve)
- High-quality output devices
- High impact-resistant, injection-molded, weatherproof, compact rubber enclosure
- NEMA Type 3R weatherproof for outdoor use
- Built-in stackable mounting base

Optional Features

- 277/480V 3Ø option available
- 125/250V 1Ø input (PQ50 Models Only)
- Small model available with 6 positions, large model available with 8-14 positions
- Additional customization is available by request



Spider Boxes

Designed for demanding environments, our heavy-duty spider boxes offer three standard configurations and are built to deliver reliable power distribution for data center maintenance, temporary setups, or emergency response. Engineered with non-corrosive, powder-coated aluminum enclosures and available with either GFCI duplexes or GFCI breakers, these rugged, portable units provide dependable power wherever and whenever it's needed.

Standard Features

- 50 Amp 120 Volt 1Ø power input and feedthrough output
- High-visibility polyester powder-coated weather-resistant enclosure
- Heavy-duty steel construction with a reinforced stand that withstands abuse for long-lasting performance
- Convenient carrying handle
- Oversized top for added protection against elements
- Weatherproof outlet covers on all outlets are labeled to easily identify electrical ratings
- (6) 20A duplex are GFCI and breaker protected
- (1) 30A twist-lock outlet is individually breaker protected
- Weatherproof circuit breaker cover with UV-rated Lexan window permits ease of viewing or resetting breakers
- “CS” (California Style) power inlet and outlet for feedthrough capability
- NEMA Type 3R UL weatherproof for outdoor use

Optional Features

- GFCI breakers available
- 120V twist-lock receptacles available
- Custom colors
- Additional customization is available by request



Expo Panels

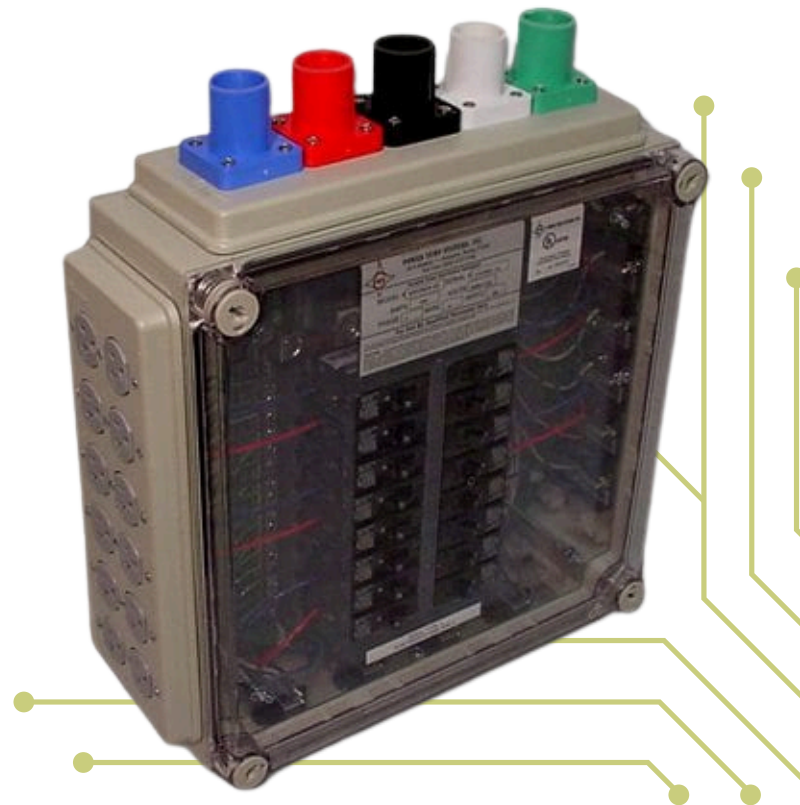
Power Temp Systems' expo panels provide portable power distribution solutions for data centers and other critical facilities, as well as indoor event centers including conventions, concerts, trade shows, and more. Available in both standard and customizable configurations, these panels offer flexible and reliable power distribution to support a wide range of electrical needs. Trust our expertise and innovative design to meet your power requirements with confidence.

Standard Features

- 60 to 200A configurations
- 120 / 208V 3Ø Input (5-W Set 16 Series Cam-Lok™) Pin & Sleeve Input
- High-quality output receptacle devices
- Lightweight, high-impact polycarbonate enclosure
- Flame retardant (to UL 94)
- Transparent front cover and dead-front panel
- NEMA Type 1 indoor use only
- UL 1640 listed portable power distribution panel

Optional Features

- Aluminum or steel powder-coated enclosure
- Removable gland plates for ease of output exchange
- Leg kit available



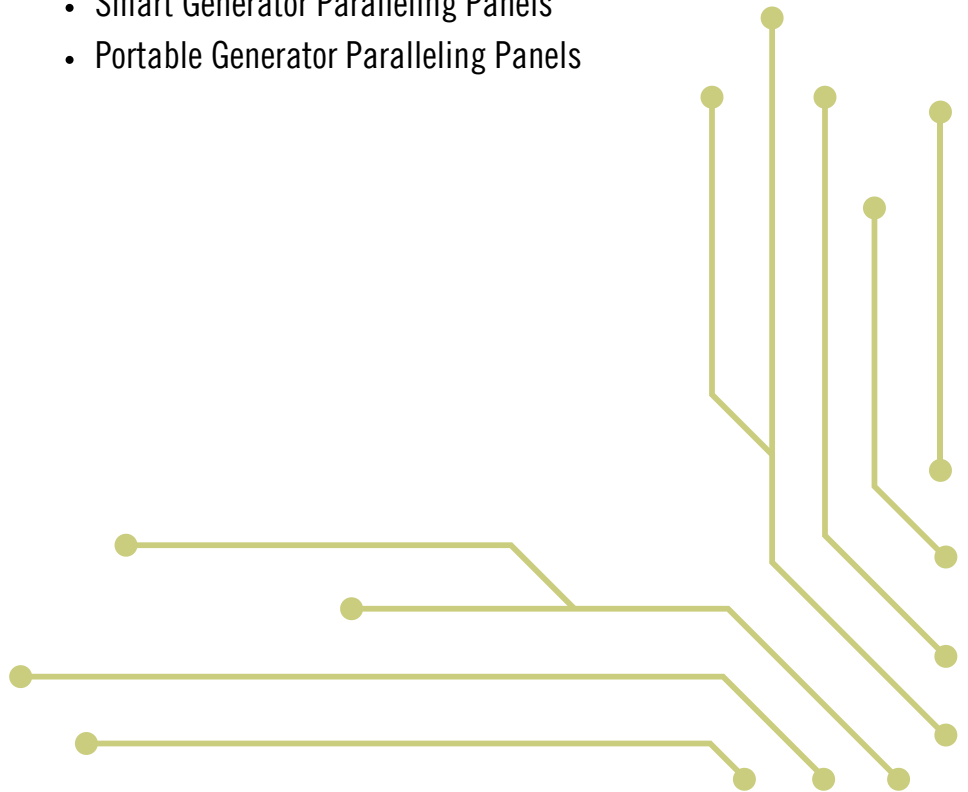
Portable Generator Paralleling Equipment

Overview

Easily integrate generators into your data center's power infrastructure with Power Temp Systems' generator connection panels, equipped with Series 16 Cam-Lok™ connectors for fast, secure connections. Whether using standard configurations or custom-built paralleling and grid-tie solutions, our panels provide the reliability and efficiency needed to support continuous, mission-critical operations.

Applicable Equipment

- Generator Maintenance Panels
- Smart Generator Paralleling Panels
- Portable Generator Paralleling Panels



Generator Maintenance Panels

Avoid costly downtime in your data center by ensuring timely maintenance on your prime power generators. Power Temp Systems' generator maintenance panels provide a safe and cost-effective solution to quickly connect a secondary power source while servicing your primary generator. Additionally, this versatile panel enables seamless parallel operation with an existing onsite generator, offering enhanced redundancy so that if one unit fails, the other can handle the full load without interruption.

Standard Features

- 200/400 to 600A configurations
- UL and cUL listed
- Will not void any generator manufacturers ULs
- Cam-Lok™ inputs
- Isolation breaker

Optional Features

- Voltage test port
- Custom colors by request



Smart Generator Paralleling Panels

Power Temp Systems' smart generator paralleling panels make generator synchronization and load sharing simple and reliable for data center operations. Designed with advanced controllers, these panels allow seamless paralleling of different types, sizes, and brands of generators, enabling remote power management anytime and anywhere. With standard and customizable configurations, our durable solutions support efficient load sharing and synchronization of two to six generators, with scalable options to support larger systems and ensure uninterrupted power for mission-critical infrastructure.

Standard Features

- 1 to 6 smart, programmable controllers and motor operated circuit breakers / contactors
- Proportional, programmable load sharing, and run times
- Cam-Lok™ inputs with Cam-Lok™ and hardwire outputs
- NEMA 3R aluminum enclosure with powder-coated carbon steel frame and forklift access
- Stainless enclosures and galvanized cages available
- Deep Sea 8610MKII Controller Standard

Optional Features

- Wireless remote monitoring and control
- Custom colors by request
- Configurable up to 32 generators
- Alternate controllers available (i.e., Com-ap, Deif, Basler)
- Alternate Deep Sea controllers available
- Additional customization is available by request



Portable Generator Paralleling Panels

Enhance power flexibility in your data center with Power Temp Systems' portable generator paralleling panels. These panels allow you to safely and seamlessly connect multiple portable generators to support critical operations. Many models feature integrated circuit breakers, isolation switches, and main output breakers, providing reliable and efficient power management. Rely on our expertise and innovative design to keep your data center powered without interruption.

Standard Features

- Available in 400A to 12000A
- Each set of generator input Cam-Lok™'s has it's own circuit breaker / safety disconnect
- NEMA 3R aluminum powder-coated enclosure
- 400 to 1200A mounted in a purpose built 2-wheel cart protected with protective frame, fork pockets, and lifting eyes
- 1600 to 6000A mounted in a skid frame with fork-lift confinement tubes and lifting eyes

Optional Features

- Customization is available by request
- Custom colors
- Available with stainless enclosures and galvanized cages



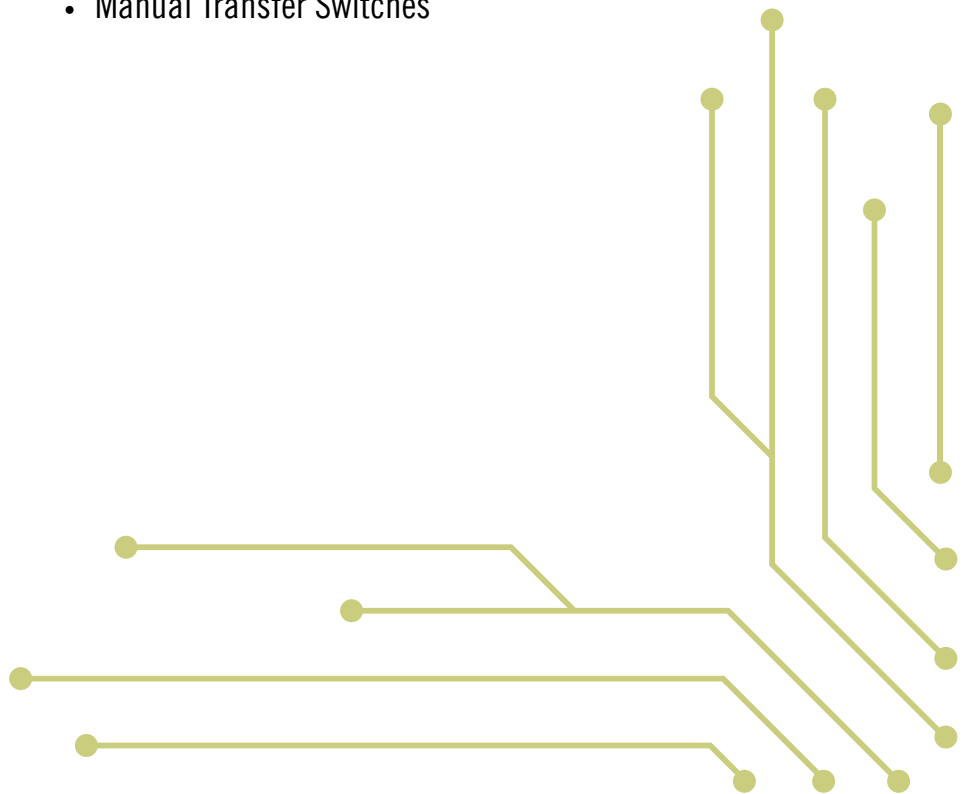
Portable Transfer Switches

Overview

Ensure safe and efficient power source switching in your data center with Power Temp Systems' reliable and portable transfer switches. Designed for fast deployment and built to withstand demanding environments, our transfer switches make it easy to switch electrical loads between utility, generator, or backup systems. Choose from standard configurations or request a custom solution to meet your specific power transfer and control requirements.

Applicable Equipment

- Automatic Transfer Switches
- Manual Transfer Switches



Automatic Transfer Switches

Safely, quickly, and easily switch electrical loads between power sources in your data center with Power Temp Systems' reliable and portable transfer switches. Built field-ready and engineered for durability, these switches provide dependable and seamless power transfer. Available in standard configurations or as custom solutions, they help ensure uninterrupted operation for mission-critical infrastructure.

Standard Features

- 100A to 4000A specific voltage up to 600V
- ASCO, Socomec or Deep Sea Controllers
- 45 degree Cam-Lok™ inputs
- Internal tamper-resistant and padlockable female Cam-Lok™ outputs
- Silver plated copper common bussing
- NEMA 3RX corrosion-resistant powder-coated aluminum enclosures
- Black powder-coated tubular steel racks

Optional Features

- Automatic voltage selection – 208/480/600V
- Smart Lug & Cam-Lok™ connections
- Additional Cam-Loks™
- SER utility main breakers – adjustable down to 40%
- ERMS – Energy Reduction Maintenance Switch 1200A+
- Remote monitoring and operation
- Stainless steel enclosure
- Custom colors



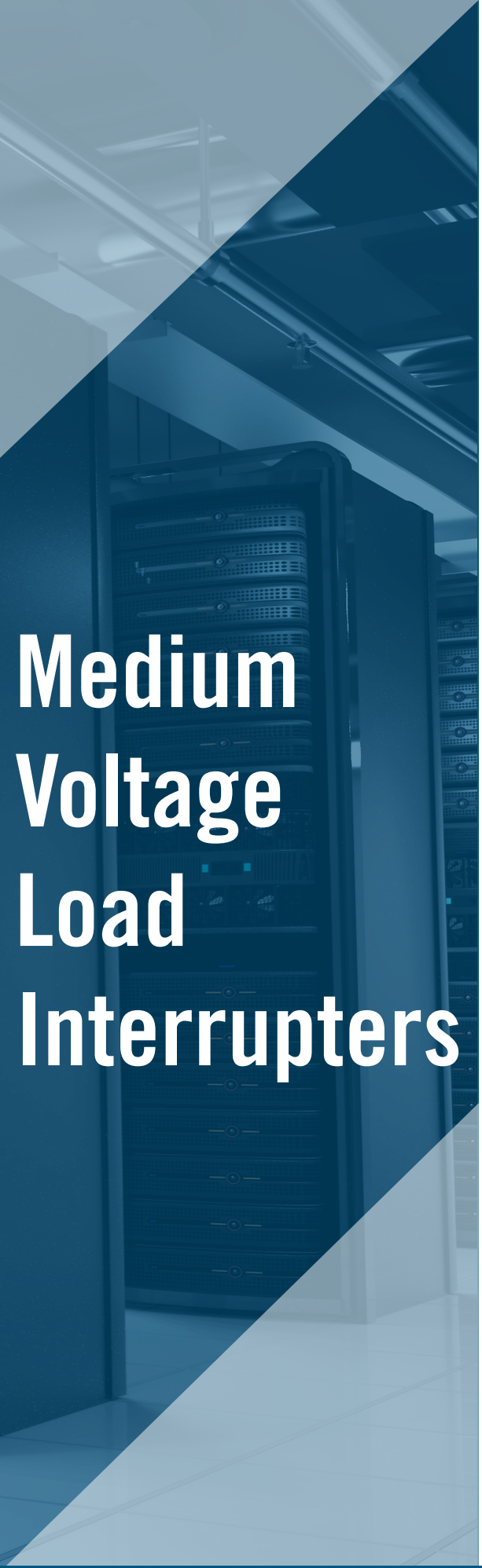
Manual Transfer Switches

Ensure your data center operations run smoothly with Power Temp Systems' manual rotary transfer switch (RTS). Robust and easy to use, our RTS offers reliable manual control for seamless power transitions between primary and backup sources. Trust Power Temp Systems' expertise and innovative design to maintain continuous power and operational stability critical to your data center.

Standard Features

- Rotary switch
- Handle for rotary operation
- NEMA 3R powder-coated aluminum enclosure
- Service Entrance Rated (SER) options available
- Carbon steel tubular 4-post skid frame with forklift access (and lifting eyes on some applications)
- 100A to 3200A
- Up to 600V single or three-phase
- Three-pole and four-pole options
- Switch design prevents simultaneous connection to two power sources
- Series 16 Cam-Lok™ input
- Series 16 Cam-Lok™ output and/or hardwire output
- Smaller sizes can be in a tilt-and-roll style cart





Medium Voltage Load Interrupters

Overview

Ensure reliable power management in your data center with Power Temp Systems' load interrupters. Our rugged load break switches deliver dependable solutions for safely managing power interruptions and maintaining system integrity. With expert design and quality craftsmanship, our load interrupters help keep your data center's power systems running smoothly and efficiently.

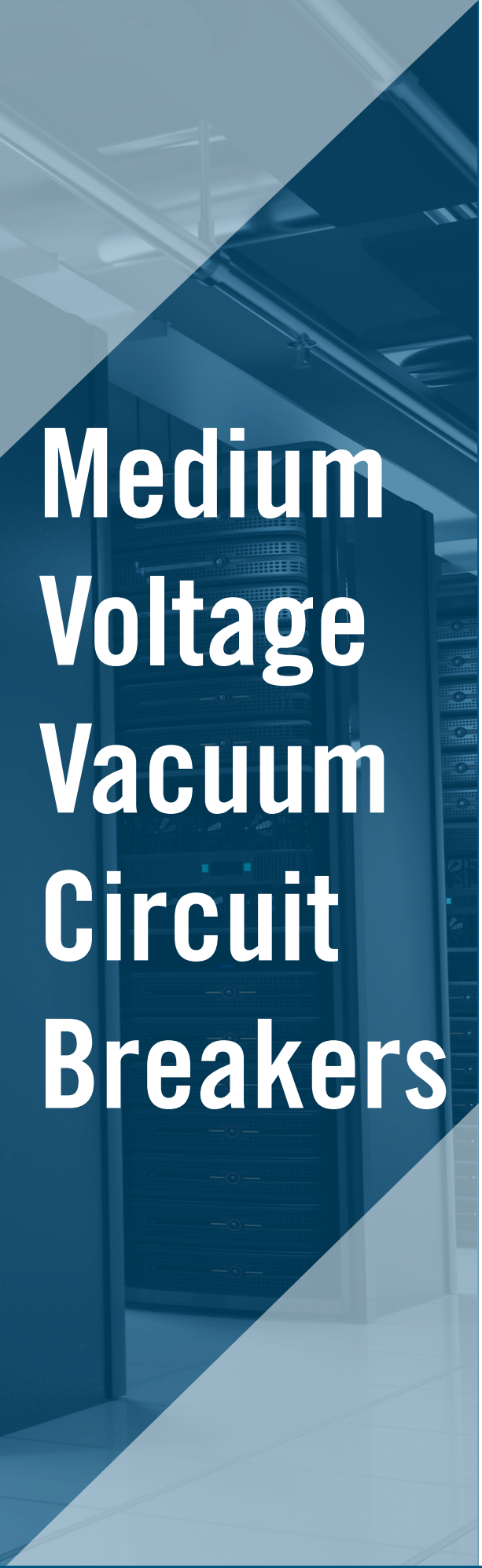


Medium Voltage Load Interrupters

Standard Features

- 5kV, 200 Amp
- 5kV, 15kV, or 34.5kV – 600 or 1200 Amp
- BIL ratings up to 150kV
- Switch viewing window
- Mechanically interlocked fuse access door
- Available as fused or non-fused
- Plated terminals
- Structural steel welded base
- Internal ground bus
- Nema 1 & 3R – Available in stainless steel





Medium Voltage Vacuum Circuit Breakers

Overview

Manage power interruptions reliably in your data center with Power Temp Systems' vacuum circuit breakers. Engineered for efficiency and durability, our circuit breakers deliver dependable performance to protect and control your critical power infrastructure. Trust our expertise and quality workmanship to ensure consistent and uninterrupted power system operation.



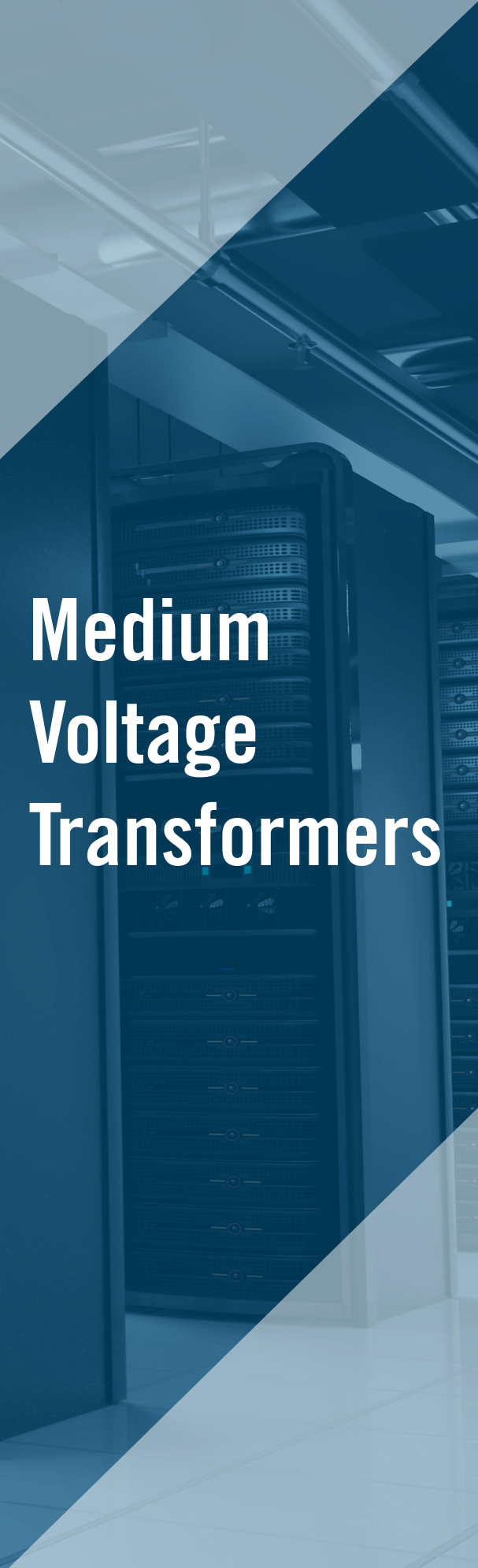
Medium Voltage Vacuum Circuit Breakers

Standard Features

Medium Voltage (MV) SWG Products

- MV-Arc resistant SWG
- MV-ATS (automatic transfer switch)
- MV metal clad SWG
- Load interrupter SWG
- MV motor control
- UL certifications:
 - IEEE C37.20.7
 - UL1008A
 - IEEE C37.20.2
 - IEEE C37.20.3





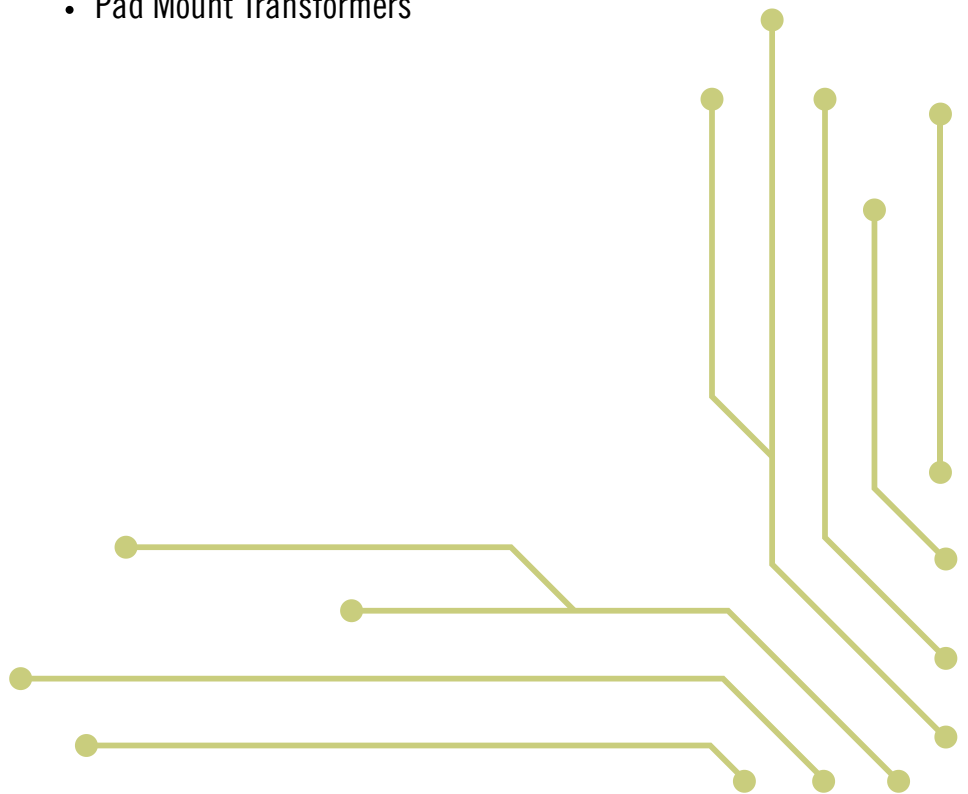
Medium Voltage Transformers

Overview

Power Temp's medium voltage transformers (11kV to 38kV), available up to 12MVA ONAN, deliver dependable power distribution for data centers by ensuring voltage stability, reducing energy loss, and optimizing operating costs. Engineered for high performance, safety, and longevity, these transformers support the demanding power needs of modern data facilities. Eco-friendly configurations are also available to align with data centers' sustainability and ESG goals.

Applicable Equipment

- Power Substation Transformers
- Pad Mount Transformers



Power Substation Transformers

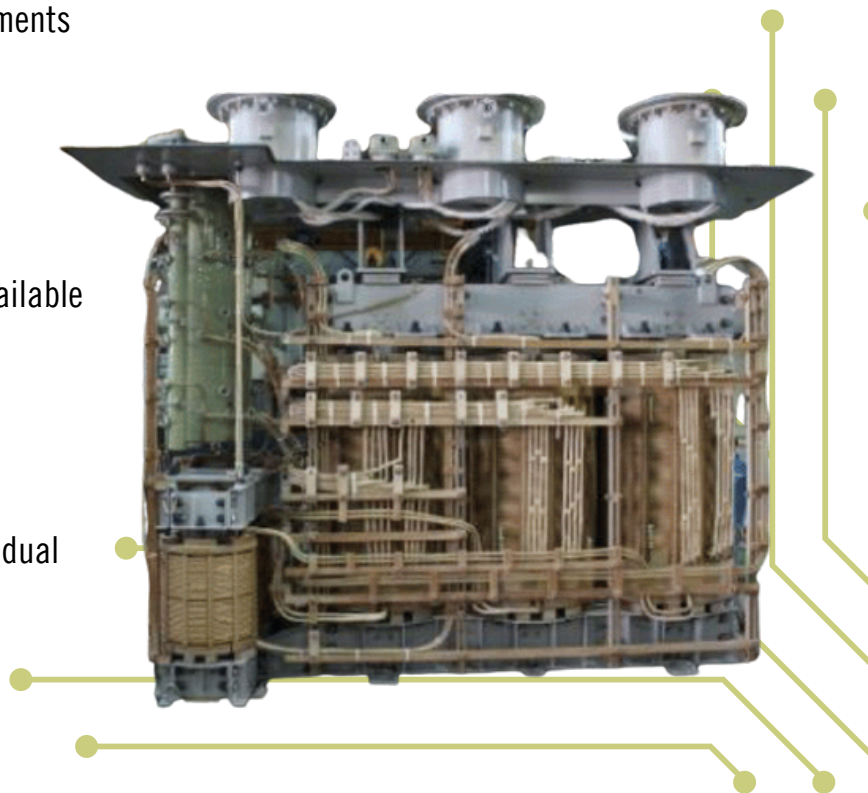
In data centers, where uptime is non-negotiable, Power Temp Systems' substation transformers deliver the reliability and performance needed to keep operations running without interruption. Built to exceed industry standards, each unit is engineered by experienced professionals with a focus on durability, customization, and long-term efficiency, because even a moment of downtime can mean major losses.

Standard Features

- Designed, built, and tested to meet the latest industry engineering standards
- Outstanding performance and reliability record
- Suitable for challenging and customized applications
- Engineered by highly trained professionals with extensive experience
- Customizable designs for specific project requirements

Specifications

- **Rating:** Up to 40MVA
- **Phase:** Three-phase and single-phase options available
- **Oil Type:** Mineral oil, FR3 (vegetable oil), BT-300 (vegetable oil)
- **Frequency:** 60Hz and 50Hz options
- **Primary voltage:** Up to 230kV, including variable dual high voltages
- **Secondary voltage:** Up to 34.5kV



Pad Mount Transformers

Power Temp Systems' pad mount transformers provide reliable, efficient power distribution for data centers. Designed for both permanent and portable setups, these single-phase and three-phase units can be customized to meet specific site requirements. Built with a focus on safety, durability, and performance, they help ensure continuous uptime and operational efficiency.

Standard Features

- Four lifting lugs for easy installation
- Bolted-on terminal compartment with removable front sill
- Hinged, lift-off cabinet doors for convenient access
- Steel high/low voltage compartment barrier for enhanced safety
- Five-legged core/coil assembly for optimal performance
- NEMA safety labels for clear hazard communication

Specifications

- **Rating:** Up to 12MVA ONAN
- **Phase:** Three, single
- **Oil type:** Mineral oil, FR3 (vegetable oil), BT-300 (vegetable oil)
- **Frequency:** 60Hz, 50Hz
- **Primary voltage:** 2400V to 34500V (including various dual high voltages)
- **Secondary voltage:** 230V to 690V
- **Winding material:** Aluminum & copper
- **Standards compliance:** ANSI/IEEE, NEMA, IEC, CSA, AS, Customized Standards, UL





We look forward to speaking with
you about your next project.

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