FORGENT™



LOW-VOLTAGE SWITCHBOARDS

ENGINEERED TO POWER TODAY'S CRITICAL INFRASTRUCTURE

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ABOUT US

CLOSING THE GAP BETWEEN VISION AND REALITY

The world's power infrastructure is being pushed to its limit. Forgent is purpose-built to deliver future-ready power solutions that optimize for lead time, performance, and cost—moving our customers from concept to uptime, quickly.

10
Manufacturing campuses

5
Geographic locations

2M+
Square feet of manufacturing space

3,000+
Employees

POWERING THE ECONOMY'S MOST CRITICAL INDUSTRIES

From the grid to data centers to energy-intensive industrials, Forgent is crucial to energizing the facilities that keep society running. See the key applications for this product.

Data centers

Engineered to deliver reliable, high-density power distribution with advanced protection, monitoring, and fast integration into complex data-center electrical architectures.

Energy-intensive industrials

Provides rugged, configurable distribution for demanding loads—supporting process equipment, motor control, and facility reliability in high-duty manufacturing environments.

The grid

Delivers dependable low-voltage distribution and protection for utility systems, supporting substations, backup schemes, and safe, maintainable grid-side operations.

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WHY FORGENT?

We manufacture every major category of electrical distribution equipment in-house, and we have one of the most comprehensive product portfolios available for data center, grid, and industrial applications.

01

PRODUCT BREADTH

Our engineering experts design and build a breadth of resilient electrical distribution for technically demanding applications, so your critical systems stay online—and you can stay focused on delivery.

02

MANUFACTURING DEPTH

Each of our manufacturing campuses is equipped with advanced machinery, dedicated production lanes, and expert teams, allowing us to deliver precision at scale while maintaining the agility to adapt to project-specific requirements.

03

SOLUTIONS MINDSET

We designed our business around one goal: solve our customers' problems at scale. From whiteboarding sessions to integrating products with your systems, we ensure you have exactly what your infrastructure demands.

04

MARKET FOCUS

We focus on technically demanding applications for customers in the data center, grid, and industrial markets where customization, speed, and quality matter most.



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FEATURES

RELIABILITY AND FLEXIBILITY FIRST

Built to meet applicable NEC and NEMA requirements and UL 891-listed, as specified.

01 Customizable current ratings from 400A to 6000A with reliable safety mechanisms

02 Universal compatibility with leading breaker brands: ABB, LS, EATON, and Schneider

03 Designed to meet UL891 standards suitable for both indoor and outdoor



Typical applications

- Data Centers
- Energy-Intensive Industrials
- Commercial Buildings
- The Power Grid
- Healthcare Facilities
- Educational Institutions
- Military/Intelligence
- Infrastructure Projects
- Telecommunications
- Emergency

Quick ship & adaptable design

EFFICIENT PRODUCTION WITH FLEXIBILITY.
The switchboards and switchgear are manufactured locally in the USA with lean practices and high-velocity production lanes. When complemented with our modular architecture and vast component stock on hand, we can deliver multiple sections of fully assembled units while meeting impressive lead times.

Easily integrate into complex systems

ROBUST ENGINEERING CAPABILITIES.
Our engineers are embedded throughout the organization in sales, fulfillment, operations, and service. This means we thrive on jobs that demand competency and complexity. Whether you need to integrate into legacy systems, add automatic transfer schemes, switchboard controls, metering and power quality monitoring, buss flanges, or mate with existing infrastructure, the S1 product is engineered for complexity.

Committed to customer relationships

DEPENDABLE AFTER-SALE SERVICE AND STOCK.
Our relationship with our customers extends beyond the initial sale. The entire team at Forgent is always on hand for any after-sale support. Take advantage of our strong field services installation and startup team, preventive maintenance program technicians, our product line managers, and our strong spare parts stocking program so you can be confident in a lifetime of service and relationships with the team that built your switchboards and switchgear.

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GENERAL SPECIFICATIONS

UL 891 SWITCHBOARDS

Forgent UL 891 switchboards feature enclosed freestanding structures rated up to 6,000 amps with numerous configurations of overcurrent protection, metering and monitoring capabilities, and systems integration features. The UL 891 switchboard is engineered and built to comply with the latest NEC and NEMA standards while listed under our UL891 file.

POWER METER

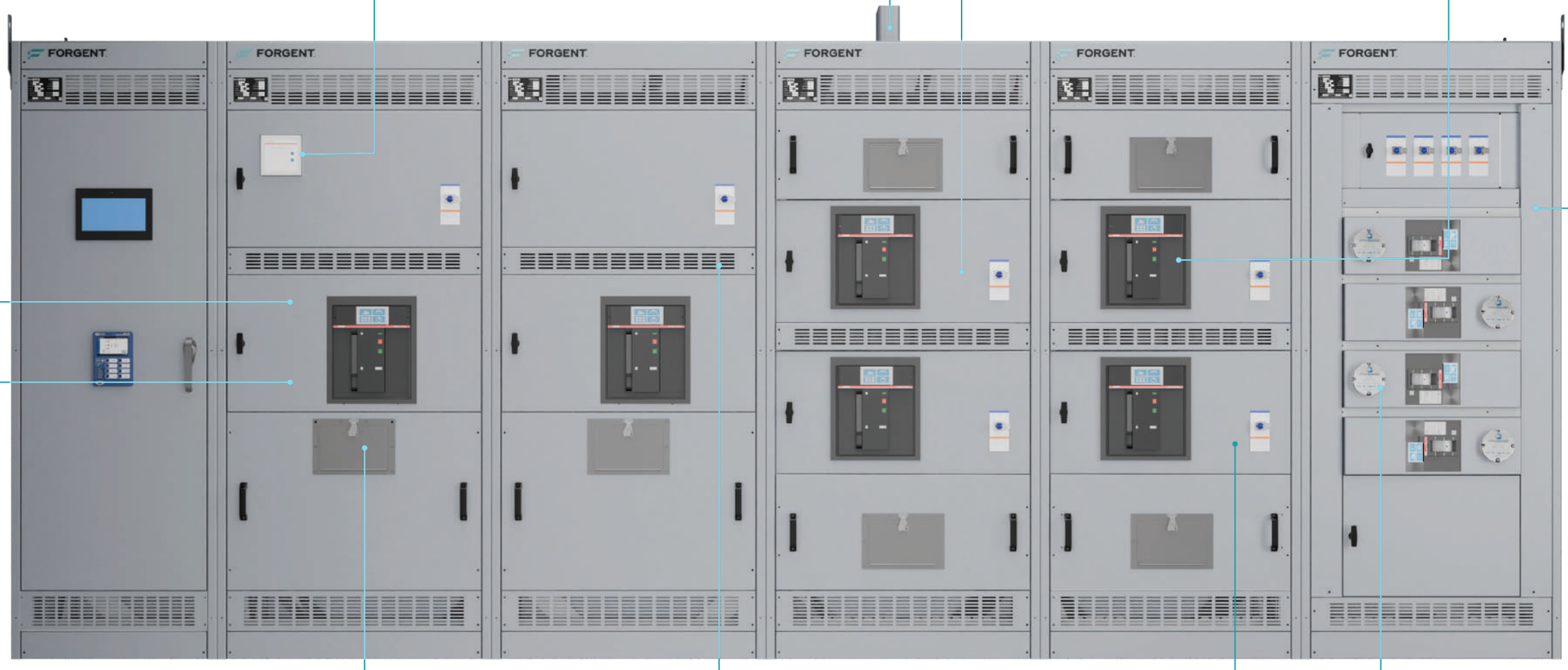
Advanced power and energy monitoring capabilities with a fully integrated and connected system for kWH metering, power quality analysis, and multiple communication protocols.

UTILITY CT CABINET

Fully integrated metering compartments built to approved utility standards from across the United States.

SURGE PROTECTIVE DEVICE

Integral surge protection via Type 1 SPD mounted inside the auxiliary control cabinet protects service entrance or other crucial loads. Units have field replacement MOVs with surge counters, phase loss indication, EMI/RFI filter, dry contacts, and audible alarm.



VIEWING WINDOWS

Infrared (IR) viewing windows are fully manufactured in house for main fixed and drawout devices. With a shatter resistant compartment and honeycomb barrier, these viewing windows provide a non-invasive way to observe and measure key thermal requirements.

HEAT DISSIPATION AND AIRFLOW

All naturally air cooled using UL891 and component-specific ventilation requirements for optimal performance.

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BUS FLANGE

Busway riser flanges can be added to our switchboards for multiple applications, including incoming main source or outgoing riser duct feed. Our units can be mated with busway systems from multiple manufacturers.

ARC FLASH ENERGY REDUCTION

The ERMS switch ensures compliance with NEC 240.87 code for improved worker safety in the event of an arc flash. The system communicates with the trip unit to reduce trip clearing time and can be enabled with a “Maintenance Mode” switch with illuminated test function.

ADVANCED TRIP UNITS

Available with Advanced trip units that provide a complete series of protections and high accuracy measurements of all electrical parameters and can be integrated seamlessly with the most common automation and supervision systems.

HINGED GUTTER TRIMS

Our hinged gutter trims allow easy access to wireways, gutters, and other components that may be installed inside the sections.

COMPARTMENTALIZED CUBICLE BREAKERS

Using both fixed and withdrawable air circuit breakers, our structures can accommodate multiple units for high amperage and advanced protection loads. Our construction methods ensure isolation and barriering that can meet or exceed your specification.

INFRARED THERMAL IMAGING PORTS

Thermal imaging ports are cut and installed directly into the steel trims around the circuit breakers. Fastened with tamper proof retainer clips, these IR ports can be opened and closed easily for safe and non-invasive thermal imaging and preventive maintenance.

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TECHNICAL SPECIFICATIONS

UL 891 SWITCHBOARDS

CATEGORY	SPECIFICATIONS
Input Phasing Available	1PH 2W 1PH 3W 3PH 3W 3PH 4W
Input Voltages Available	120/240Vac 120/208Vac 240/415Vac 277/480Vac 347/600Vac
Amperage	400A to 6,000A
Frequency	60Hz
Standard Connections	L1, L2, L3, N, G
Service Entrance	None; Suitable; Rated
Main Incoming Feed	Top Feed, Bottom Feed
Main Incoming Device	Utility Landing; Utility CT; Main Breaker; Main Fused; Main Lug
Main Incoming Terminations	Mechanical Lugs; Compression Lugs, Bussduct, Close Coupling to transformer
Max Available Fault Current	200kA
Bussing	Copper (Silver Plated); Aluminum (Tin Plated)
Neutral Bussing	100%; 200%
Ground Bussing	Standard
Enclosure Type	Type 1 Indoor; Type 3R Outdoor; Type 4X Stainless Steel
Accessibility	Front Access; Rear Access; Side Access
Exterior Paint Color	Gray ● Black ○ White | Other Custom
Maximum Number of Circuits Per Distribution Section	50X on 90"H Standard Section; 1X = 1.375”
UL1066 Air Circuit Breaker Selection	ABB | EMax2
	Eaton | PowerDefense Magnum
	LS | UAH Series
	Schneider | Masterpact Series
UL489 Molded Case Circuit Breaker Selection	ABB | XT Series, TEY Series, THQB Series
	Eaton | PDG Series, GHB Series, BAB Series
	LS | UTS Series, UTE Series
	Schneider | Powerpact Series (B, H, J, L, P Frames)
Advanced Features Available	Drawout Frames | Infrared Scanning Ports | Surge Protective Device SPD | PLC and HMI Integration | Power Energy Metering | Transfer Schemes | Viewing Windows | Integrated Transformers and Lighting Panels | Close Coupling Mating Scheme

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TECHNICAL SPECIFICATIONS

UL 1558 SWITCHGEAR

Forgent's UL 1558 switchgear is built for safety, flexibility, and performance—engineered to meet any application from standard distribution to complex paralleling systems.

- Supports up to 600 V and 5000 A, with short-circuit ratings up to 200 kA for dependable power control and protection.
- Engineered for flexibility, with front, rear, or side access, custom bus configurations, and options for service entrance or future expansion.
- Built to UL 1558 standards, with compliant features including drawout breakers, PLC automation, and advanced metering for seamless integration and uptime assurance.



CATEGORY	SPECIFICATIONS
Voltage Rating	Up to 600 VAC
Ampacity	Up to 5000 A
Short Circuit Current Rating	Up to 200 kA
Enclosure Types	NEMA 1, 3R, 4, or 12
Coating Standard	ANSI 61 light gray powder coat
Breaker Standard	UL 1066 Listed Circuit Breakers
System Listing	UL 1558 Listed
Temperature Rise	Rated per ANSI/UL design (configurable)
Bus Connections	Supports custom duct, cable, and transformer tie-ins

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SERVICE PLANS

STARTUP & COMMISSIONING

Energize and commission the switchboards and switchgear on site in accordance with Forgent manufacturer's specifications. On-site training is also provided.

PREVENTIVE MAINTENANCE PLAN

Conduct regular and routine maintenance on Forgent switchboards and switchgear to ensure they remain in optimal working condition. This minimizes the risk of malfunctions and reduces unexpected downtime. Maintenance plans are available at 6, 12, and 18-month intervals.

FULL-SERVICE PLAN

This comprehensive plan integrates Preventive Maintenance with an on-call field service team ready to address any service disruptions. Service options include availability for 5 days a week, 8 hours a day, or round-the-clock support, 7 days a week.

FORGENT™

GET IN TOUCH WITH OUR SALES ENGINEERING TEAM

forgentpower.com

11500 Dayton Pkwy, Maple Grove, MN 55369

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