

Low Voltage Switchgear

A wide range of solutions to complete projects on time and on budget



Ensuring business continuity and sustainability

Avail Critical Power Solutions supplies high-quality, customized systems that protect customer assets and their reputations from contamination problems while reducing costs and increasing efficiency. Avail is your partner through every process step, including design, manufacture, testing, startup, and field services.

Switchboards

Avail Critical Power Solutions builds switchboards to UL 891 standards, which minimizes potential hazards while optimizing energy efficiency.

Standards

- UL standards

Specifications

- Current: 400-6,000A
- Voltage: 208-600V
- NEMA 1-4X ratings
- Short circuit up to 100kA
- Standard Dimensions:
30"W x 70"D x 91.5"H
- Narrow Frame:
16"W x 32"D x 72"H
- Front and rear access
- All major breaker manufacturers

Applications

- Distribution
- Protection



Switchgear

Avail Critical Power Solutions low and medium voltage switchgear is built to UL 1558 standards to enhance reliability, durability, and maintainability.

Standards

- UL standards

Specifications

- Current: 600-12,000A
- Low Voltage: 208-600V
- NEMA 1 and 3R, IP ratings
- UL 1066 circuit breaker
- Short-circuit withstand rating:
up to 200kA
- Front and rear access

Applications

- Standby
- Prime Power
- Paralleling
- Load Shedding



Remote Power Panels

Designed to distribute power to servers in data centers, Remote Power Panels (RPP) provide remote power distribution and management to critical loads. A touch-safe chassis enhances worker safety. Avail manufactures and supplies standard and custom range RPPs that are compact, scalable, and energy efficient. Panels can be configured to send alarms and allow for programmable thresholds.

- Current: 200-600 amp
- Voltages: 208-480V
- NEMA 1-4X rating
- Standard dimensions: 24"W x 82"H x 24" D
- Up to 168 circuits/poles per panel
- Freestanding and wall-mounted
- Short circuit withstand rating: up to 65kA
- Main metering and branch circuit monitoring capability
- 100% rated adjustable electronic trip main breakers for incoming protection



Power Distribution Units

Avail's experience with switchgear design and production makes us the logical choice for Power Distribution Units (PDU) for mission-critical applications. Data centers often use PDUs to monitor power efficiency and uptime, improving data center management for monitoring and controlling power. Monitored PDUs can provide a comprehensive view of power usage and alert users if power thresholds are breached. These units provide a redundant power supply to protect against outages and surges.

- Current: 200-600 amp
- Voltages: 208-480V
- NEMA 1-4X rating
- Up to 1250kVA
- K-rated isolation transformers available
- Up to 200% neutral busbar options
- Metering capabilities with touch panel interface



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