AC LV SWBD - 1200 to 6000A, 480 / 600VAC

UL 891 Certified Switchboards for Critical Power Applications

In critical power infrastructure reliability efficiency and communications are paramount. EPEC Solutions is pleased to present our modular switchboard, designed for critical power applications. Engineered with precision and designed for high performance, this switchboard is the perfect solution for data centers and other critical power requirements that seek to optimize power management and availability.

PRODUCT DETAILS

- 480VAC, 600VAC, 3P3W or 3P4W
- UL / NEMA 1 or 3R
- Main breaker ranges: 1200A – 5000A (6000A air cooled), MLO up to 6000A
- Single ended or double ended (M-M or M-T-M)
- Feeder ranges ACB: 1200A, 1600A, 2000A, 2500A
- Feeder ranges MCCB: 150AF, 250AF, 400AF, 600AF, 800AF, 1200AF
- Feeder trip type: Thermal Mag or Electronic Trip
- Interrupt Ratings:
  - 100kAIC @ 480VAC
  - 65kAIC @ 600VAC
- Full front access, incoming / outgoing bottom or top entry
- Direct bus / busway option (side) for main / ACB feeder
- Control compartment / section M-T-M control schemes
- Adv. diagnostics / comm / metering

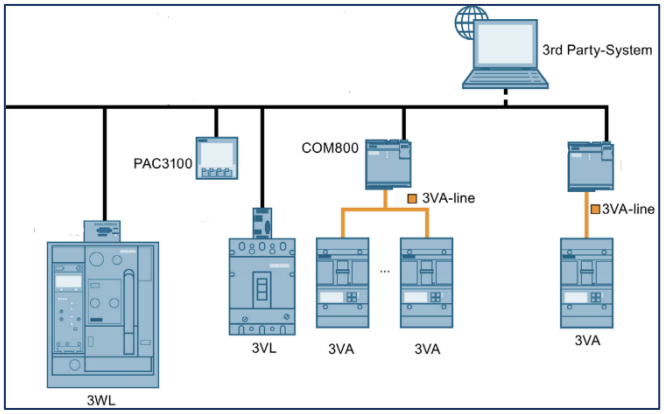
Pictured above: UL 891 / NEMA 3R, 480 / 277VAC, 4000A SWBD, exterior view.

Ample Power Capacity

Our 6000A Switchboard delivers the power capacity you need, ensuring your data center or other critical requirement can handle the most demanding workloads. With the ability to manage high currents, this switchboard is built to support the robust needs of large-scale data centers.

Intelligence for Diagnostics, Metering and Switching

Our switchboards utilize Siemens' state-of-the-art power (3WA) and molded case (3VA6) circuit breakers. Full metering and diagnostics for each circuit is available from advanced trip units. The information is easily made available to via Modbus TCP™ or other ethernet / PLC protocol. If advanced communication is not required standard trip units are available.



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Pictured left: UL 891 / NEMA 3R, 480 / 277VAC, 4000A SWBD, double ended, with: cable input section, 4000A main, ACB feeder section, MCCB feeder, 2nd 1600A main, 2nd cable input section. ATS controller compartment above 4000A main.

Future-Proof your Critical Power Application

Our 6000A switchboard is not just a product, it is a long-term investment. Its scalable design allows for easy upgrades and expansions, ensuring it can meet the needs of your data center both now and in the future. Designed on the newest version of Siemens' circuit breaker technology, your equipment will stand up to the test of time.

The EPEC 6000A switchboard is more than just a power solution; it's a strategic asset that will enhance the performance, reliability and efficiency of your critical power requirements.

Enhanced Safety Features

Safety is our top priority. The 6000A Switchboard comes with state-of-the-art safety features, including advanced circuit protection (AERMS per NEC 240.87) and fault detection capabilities. This ensures not only the safety of your equipment but also your personnel.

Superior Reliability

EPEC is a proven leader in the design and build LV AC switchboards in the demanding solar, energy storage, and EV charging industries. We understand that downtime is not an option for your data center. That is why our 6000A Switchboard is designed for maximum reliability. It's robust construction and advanced engineering ensure consistent performance and minimal maintenance.

Pictured above: EPEC N3R "solar industry" SWBD. EPEC switchboards are utilized in over 1 gigawatt of solar installations.