



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

UL 891 Certified SWBD's for Industrial Applications

EPEC Solutions is pleased to present our modular SWBD, designed for meet your LV power distribution applications. Engineered with precision and designed for high performance, this SWBD is the perfect solution for mfg plants, data centers, and other critical power applications seeking 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, 1000AF
- 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 section M-T-M control schemes
- Advanced diagnostics / metering / switching



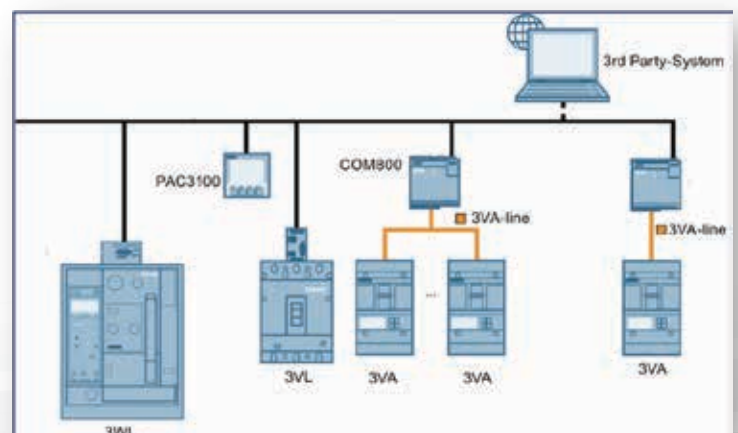
Pictured above: UL 891 / NEMA 1, 480 / 277VAC, 6000A SWBD, single ended, with: cable input section, 5000A main, ACB feeder section, MCCB feeder section & SEL control section.

Intelligence for Diagnostics, Metering, & Switching

Our SWBD's 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. 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.

Ample Power Capacity

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





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Pictured above: UL 891 / NEMA 3R, 480 / 277VAC, 6000A SWBD, double ended, with: cable input section, 5000A main, ACB feeder section, MCCB feeder, 2nd 5000A main, 2nd cable input section & SEL control section.

Enhanced Safety Features

Safety is our top priority. Our 6000A SWBD comes with state-of-the-art safety features, including advanced circuit protection (AERMS per NEC 240.87) and fault detection capabilities. This ensures your equipment and personal are both safe.

Superior Reliability

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

Future-Proof Your Critical Power Application

Our 6000A SWBD is not just a product, it's long-term investment. Its scalable design allows for easy upgrades and expansions, ensuring it can meet the needs of your plant 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 with ease.



Pictured above: EPEC N3R "solar specific" SWBD. EPEC SWBD's are utilized in over 1 gigawatt of solar installations.