

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



UL 891 Certified Switchboards for Solar / BESS Applications

Multi-section SWBD platform designed for AC collection of Solar or distribution / integration of BESS projects. Thermally engineered for demanding outdoor applications, features up to 6000A bus and 5000A (6000A air cooled) main breaker. Other features include: Multiple mains, feeder sizes from 15A to 2500A, M-T-M control sections, generator quick connect options.

PRODUCT DETAILS

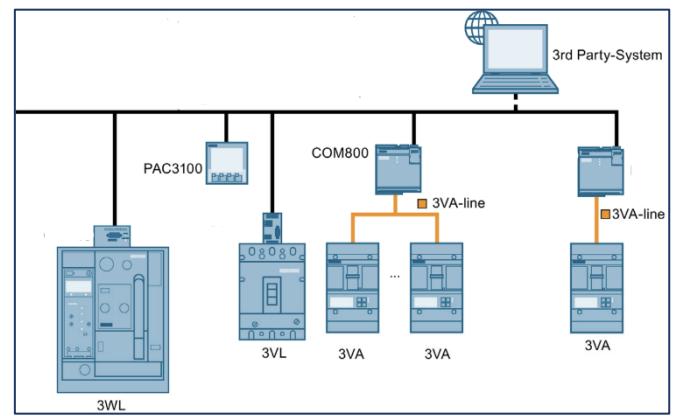
- 480VAC, 600VAC, 3P3W or 3P4W
- UL / NEMA 1 or 3R
- Main breaker ranges: 1200A – 5000A (6000A air cooled), MLO up to 6000A
- Single ended or double ended (M-M or M-T-M)
- Feeder ranges ACB: 1200A, 1600A, 2000A, 2500A
- Feeder ranges MCCB: 150AF, 250AF, 400AF, 600AF, 800AF, 1000AF
- Feeder trip type: 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 3R (outer doors removed), 480 / 600VAC, 6000A SWBD, single ended, with: cable input section, 5000A main, ACB feeder section, MCCB feeder section & SEL control section.

Ample Power Capacity

Our 6000A Switchboard delivers the power capacity required, for your Solar / BESS requirement. With fault current ratings of 100/65kAIC at 480/600V (supporting 4500/3500kVA sized MV Transformers at 480/600VAC, respectively.)



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 TCPTM or other ethernet / PLC protocol. If advanced communication is not required standard trip units are available.

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Future-Proof your Solar / BESS Application

Our 6000A switchboard is not just a product, it is a long term investment. It's 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.



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 solar & BESS requirements.

Pictured left: UL 891 / NEMA 3R (outer doors removed), 480 / 600VAC, 6000A SWBD, double ended, with: cable input section, 5000A main, ACB feeder section, MCCB feeder, 2nd 5000A main, 2nd cable input section & SEL control

Enhanced Safety Features

Safety is our top priority. Our 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 already 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 facility. 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 specific" SWBD. EPEC switchboards are utilized in over 1 gigawatt of solar installations.