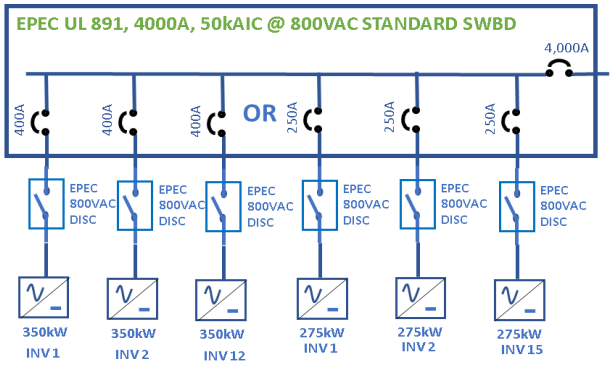
660-800VAC Balance of System Equipment

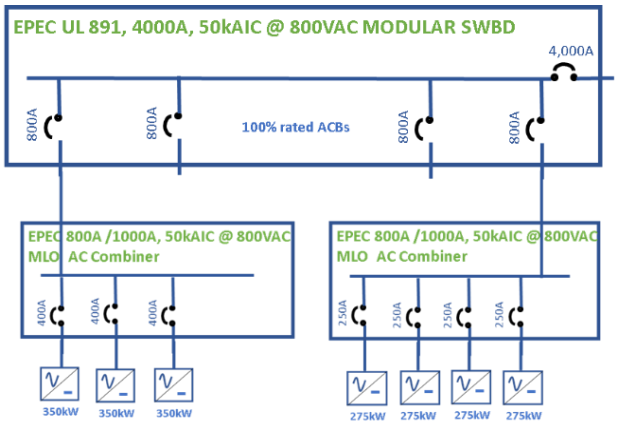
Most Comprehensive Offerings / Up to 70% Domestic Content

EPEC has developed a comprehensive set of solutions available for 660-800VAC AC collection requirements. Our equipment is designed and mfg. in the United States and performs with all inverter brands and sizes (250 / 275 / 350kW) presently being sold in the USA. We realize that one size does not fit all though. Thus, we have crafted solutions for multiple power block / topology layouts. We illustrate this flexibility below. The following examples are based on a power block size of (4.2MVA), however, block size can reduce as required to meet exact solar plant requirements.

Main Switchboard / Inverters in Array / Local Disconnect

EPEC switchboard is located at the transformer (either cable or bus connected to MVT). MCCB's in the SWBD are cabled out to Inverters mounted throughout the array. EPEC's 800VAC NF disconnect provides required NEC local disconnecting means. Up to (12) 350kW inverters or up to (15) 275kW inverters are connected for a total power block size of 4.2MVA. Domestic content 55-60% for SWBD. If a skidded (MVT + SWBD) solution domestic content 70%.



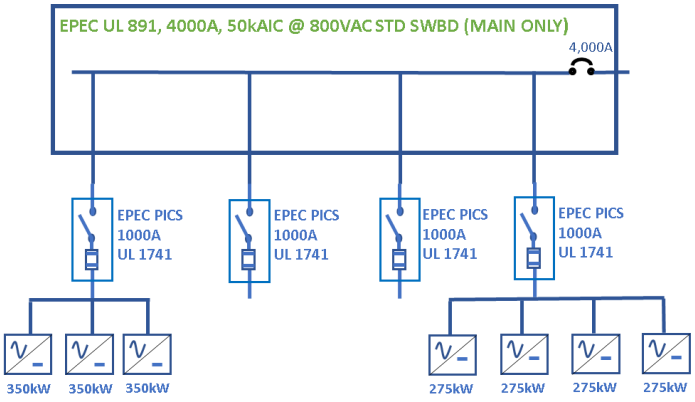


Main Switchboard (AC Recombiner) / Field AC Combiner

EPEC modular (multi-section) switchboard is located at the transformer (either cable or bus connected to MVT). The switchboard utilizes 800VAC rated air circuit breakers ACB (800A – 1200A). These (4) ACB's are fed by field mounted AC combiners, each of which can combine up to (3) 350kW inverters or (4) 275kW inverters for a total power block size of 4.2MVA. Domestic content 70%, if skidded (MVT + SWBD) or integrated rack (AC combiner + INV) solution domestic content 80%.

Main Switchboard / Field Inverter Cluster with PICS 1000A

EPEC "main breaker only" switchboard is located a the transformer (either cable or bus connected to MVT). The load bus of the switchboard has load landing positions for up to 8x 1000MCM cables. Inverters are clustered in the field and combined with EPEC PICS 1000A fusible disconnect. Up to (4) PICS units can combine up to (12) 350kW or (15) 275kW inverters for a total power block size of 4.2MVA. Domestic content 50%, if skidded (MVT + SWBD) or integrated rack (PICS + INV) solution domestic content 70%+.



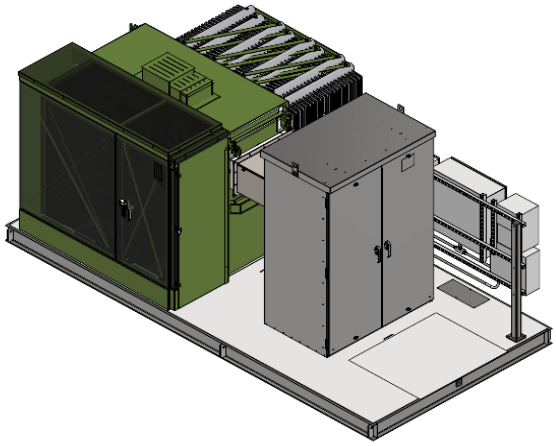
660-800VAC BoS – 4.2MVA Power Block Skids

Made in USA with up to 70% Domestic Content

EPEC provides complete power block skids, assembled & integrated in our North Carolina facilities. These skids utilize our switchboards, domestically sourced MV transformers and LV auxiliary power centers. (Non-domestic MV transformers available if domestic content is not a consideration.)

4.2MVA Integrated Power Block Skid (right)

With up to 50kAIC @ 800VAC ratings on our equipment we now offer power block sizes to 4.2MVA. Our UL 891 switchboard features an industry first 800VAC rated UL listed main breaker. Skids include SWBD + MVT and are custom designed (3D) to meet customer requirements. All skids are subjected to (FEA) calculations for worst case continental USA wind & snow loads. Integration also includes auxiliary power (800:120/240), 800:480/277, and DAS / weather station equipment as required.



EPEC Building Blocks: switchboards, aux power centers, disconnects

Most comprehensive offering in the industry, manufactured in USA, UL listed, rated for up to 800VAC

480-800VAC, 800-4000A Standard SWBD

UL 891, AC Combiner, AC Re-Combiner

480-800VAC, 800-6000A Mod. SWBD

UL 891, AC Combiner, AC Re-Combiner

600-800VAC, 800, 1000A PICS

UL 1741, AC Combiner / Disconnect

660-800VAC, 300-400A AC Disconnect

UL 508A, NF & MCCB Disconnect Options

660-800VAC, 5-75kVA Single Phase

UL / cUL, Auxiliary Power Center

660-800VAC, 10-50kVA Three Phase

UL / cUL, Auxiliary Power Center