

Electrical Power Systems

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Abstract:

Semiconductor manufacturing facilities are fascinating facilities as we have seen over the past few months. Not only are they large, over 1 million square feet with enough concrete to build 15 miles of road, but they use tremendous amounts of utilities. For example, a typical fab will use enough ultra pure water (remember its 2,000 times cleaner than your tap water) to fill 60 swimming pools every day and has enough cooling for over 3,000 homes (10,000+ tons). That means a lot of power must be available for the facility.