

Speed to market through expertise and automation

UL has taken the lead working with industry to develop the UL 1741 SA to set the guidelines for modern smart grid interconnection. UL's staff has been there from the onset, drafting the requirements, leading the comment and revision process culminating the industry consensus standard, and streamlining the implementation to result in smooth, structured certifications of advanced distributed energy resources. As part of our commitment, UL has built two state of the art distributed energy resource testing laboratories for advanced distributed energy resources. These labs utilize automation to minimize time to market such that the average test time is reduced from over 2 months to less than 3 weeks. Alternatively, UL has a well versed engineering staff which can do witness testing at client's facilities already equipped with laboratory facilities able to run the required test plan.

The UL 1741 SA consists of the following advanced distributed energy resource grid support utility interactive test plan:

Required Tests <i>(utilized by all SRDs)</i>
Anti-Islanding <i>(with advanced features active during test)</i>
Low/High Voltage Ride Through
Low/High Frequency Ride Through
Must Trip Test
Ramp Rate <i>(Normal & Soft-Start)</i>
Specified Power Factor
Volt/Var Mode
Optional Tests <i>(depends on SRD being utilized)</i>
Frequency Watt
Volt Watt

Why choose UL?

UL drives global research and standards to continually advance and meet ever-evolving product safety, performance and interoperability needs. We partner with businesses, manufacturers, trade associations and international regulatory authorities to bring solutions to a more complex global supply chain. UL is committed to being a world leader in the testing of interconnected systems and products for the electric utility grid. Utilities' and consumers' familiarity with the UL brand helps manufacturers achieve higher levels of acceptance and faster time to market.

Knowledge & Experience – UL has led the effort to establish advanced distributed energy resource requirements culminating in the creation of the UL 1741 SA. Our global network of expert engineers, help you understand the various requirements for your specific market application.

Speed & Efficiency – Our cost-effective systems and state-of-the-art advanced distributed energy resource testing facilities eliminate inefficient manual test time through the use of automation and modern data acquisition methods accelerating your time to market.

Single Source Provider – UL meets all of your compliance needs and, by bundling safety, performance and interoperability services, also helps save you valuable time and money.

For more information, call 1-877-UL-HELPS, email: ULHELPS@UL.com or visit www.UL.com



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