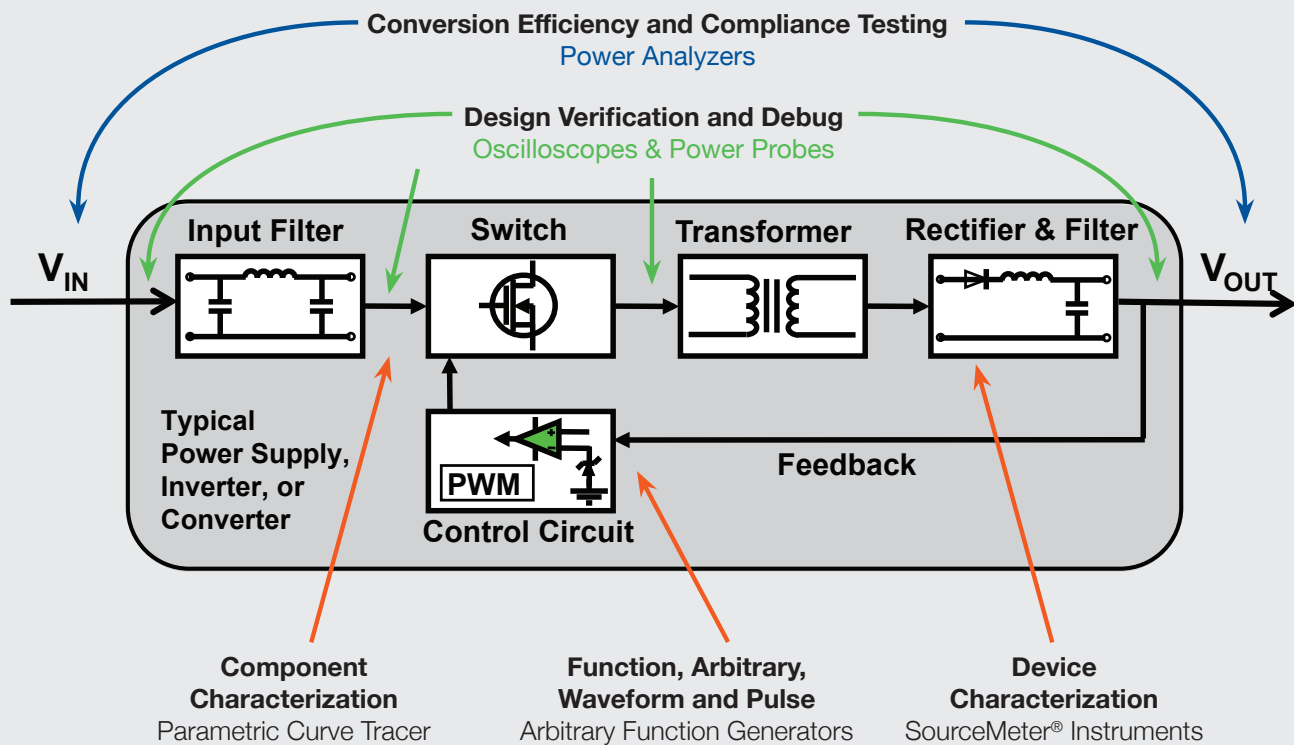


End-to-End Power Test and Measurement Solutions

www.keithley.com/powerelectronics

Learn How to Meet the Demands of Today's Power Electronics Testing Requirements



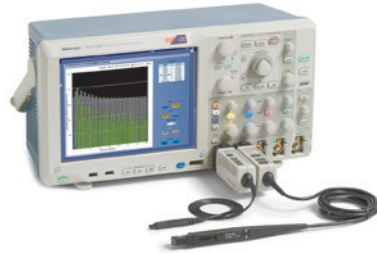
Today's demands for increased energy efficiency are exceeding the capabilities of traditional power electronics test instruments. Better power conversion efficiencies, higher switching speeds and signal ranges, lower leakage semiconductor devices, as well as the use of **advanced SiC and GaN power modules** are pushing test conditions to new extremes. At Tektronix and Keithley, we understand these evolving requirements and offer a complete end-to-end line of power test solutions for design validation, characterization, performance testing, and certification. This unique and complete set of solutions spans **DC, AC, transient, and power measurements** to overcome the challenges posed by these demanding requirements. Visit our reference library at www.keithley.com/powerelectronics to learn more.

Explore our DC and AC Power Solutions

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Oscilloscopes and Power Probes

- Industry-leading performance for optimizing power conversion efficiency and improving reliability
- Automated power and harmonic measurements reduce time to answer and guarantee repeatability
- Complete set of differential, high voltage, and current probes delivers superior performance from probe tip to scope



Power Analyzers

- Uncompromised accuracy and versatility with wide input ranges enable system level validation and compliance testing
- Three-phase or single-phase systems with comprehensive measurements up to 1000Vrms and 30Arms (or higher, with external transducers)



Source Measure Unit (SMU) Instruments

- Industry-best source, measure, and load capability in one tightly-integrated instrument for unmatched DC power analysis and test
- From 100A to 1fA, 3kV to 100 μ V, up to 2000W pulsed power, single or dual channel



Arbitrary Function Generators

- Function, arbitrary waveform, and pulse capabilities allow complete control loop characterization
- 12 standard waveforms and up to 20V p-p provide unmatched performance and versatility



Digital Multimeters (DMM) and Power Supplies

- Exceptional accuracy, stability, and performance for circuit power-up and validation testing
- 5½- to 8½-digit DMMs with sensitivities to 1nV, 10pA, or 100n Ω
- Highly stable, fully-isolated single- to triple-channel power supplies with independent control and remote sense



Parametric Curve Tracer Configurations

- World-class power, precision, and resolution for curve tracing and semiconductor device parameter extraction
- Flexible, reconfigurable systems adapt to evolving power test requirements

