

E36731A Power Supply and Electronic Load

All-in-one power solution for your bench



From Source to Sink without Missing a Beat

The Keysight E36731A is not just another lab instrument but rather a smart, space-saving solution that combines a 200 W auto-ranging power supply and a 250 W electronic load all within a single benchtop footprint. It is well designed for situations that require both source and sink power simultaneously; hence, this instrument simplifies test setups and accelerates workflows.



Two-in-one efficiency

Simplified test setup

Source and sink

	Power supply mode	Electronic load mode
Function	Voltage / Current source	Current / Voltage sink
Output / input range	0 – 30 V / 0 – 20 A	0 – 60 V / 0 – 40 A
Maximum power	200 W	250 W
Operating modes	CV, CC	CC, CV, CR, CP
Advanced feature	2-wire and 4-wire remote sense, Auto-ranging output, Voltage slew, Datalogger, List mode, Output sequencing	2-wire and 4-wire remote sense, Auto-ranging output, Input short mode, Datalogger, LIST mode

Industry use cases



Power profile characterization

Profiling power consumption pattern in devices like wireless modules, processors, and radios.



Power integrity testing for embedded systems

Validate regulators for FPGAs, CPUs, and custom SoCs under real workloads.



Automotive and EV systems evaluation

Validate behavior under cranking (voltage drop), regenerative braking, fault events.

Keysight enables innovators to push the boundaries of engineering by quickly solving design, emulation, and test challenges to create the best product experiences. Start your innovation journey at www.keysight.com.