

# Faster pulsed measurements with AM3100 pulsed SMU



## Solution Overview

Empower your test bench with high-speed pulsed measurements using a turnkey AM3100 pulsed SMU from AMCAD Engineering. The AM3100 has a fully integrated architecture and has been designed to replace traditional instrumentation including DC power supplies, pulsed generators, multimeters, and oscilloscopes while speeding up measurements by up to 10x. The AM3100 includes a bipolar gate pulser and high-power drain pulser making it the ideal solution for high-power pulsed measurements including 50Ω PA characterization and DVT as well as passive and active load pull. Rest assured your measurements will be protected thanks to the AM3100's integrated protection circuitry including electronic fuse.



### Features

- > Turnkey operation with integrated DC power supplies and measurement units (A/Ds)
- > Integrated bipolar gate pulser rated at +/- 25V/200mA
- > High-power drain pulser rated at 120V/30A
- > Provides voltages and currents with pulse widths down to 1.1us
- > Internal and external synchronization and triggering
- > Direct SCPI commands
- > Embedded protection circuitry (electronic fuse)



### Benefits

- > Easily add pulsed-measurement capabilities to any test bench with a fully integrated solution
- > Measure up to 10x faster compared with an oscilloscope
- > Free up existing instrumentation for redeployment
- > Protect your equipment and DUT with an electronic fuse



### Applications

- > Pulsed 50Ω test and measurement
- > Pulsed PA characterization and DVT
- > Pulsed passive and active load pull