

Series 2650A High Power System SourceMeter® SMU Instruments

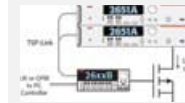


30-SECOND SELL

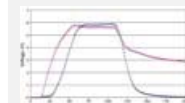
“The model 2651A high current and model 2657A high voltage system SourceMeter SMU instruments deliver unprecedented power, precision, speed, flexibility, and ease of use for characterizing and testing high power electronics and power semiconductors at up to 3,000V and 100A.”

PRODUCT HIGHLIGHTS

- Source and measure up to 3kV or 50A pulse, with best-in-class low current resolution
- Up to 2000W pulse or 200W DC power per instrument
- Optimized for characterizing and testing high power semiconductors, electronics, and materials



TSP and TSP-Link technology enables SMU-per-pin parallel testing without the channel limits of a mainframe-based system.



The dual digitizing A/D converters sample at up to 1μs/point, enabling full simultaneous characterization of both current and voltage waveforms.

MODEL	STOCK CODE	POWER CHARACTERISTICS	4 QUADRANT SOURCE OR SINK CAPABILITIES	RESOLUTION	APPLICATIONS
2651A	2074748	Up to 50A (or 100A with 2 units) and up to 2000W pulse / 200W DC power	Up to ±40V and ±50A	100fA/1μV resolution	High Current, High Power Device Testing
2657A	NIC	Up to 3,000V and up to 180W of power	Up to 3000V @ 20mA or 1500V @ 120mA	1fA/100μV resolution	High Voltage, High Power, Low Current Device Testing

Series 2650A High Power System SourceMeter® SMU Instruments

RECOMMENDED ACCESSORIES

2600-KIT	Low Impedance Cable Assemble, 1m (3.3 ft)	NIC
ACS-BASIC	Component Characterization Software	NIC
4299-6	Rack Mount Kit	NIC
8011	Test Socket Kit	NIC
8010	High Power Device Test Fixture (Model 2657A)	NIC
8020	High Power Interface Panel	NIC
2657A-LIM-3	Low Interconnect Module (Model 2657A)	NIC
2657A-PM-200	200V Protection Module (Model 2657A)	NIC
SHV-CA-553-2	High Voltage Triax to SHV Cable (1, 2, 3m) (Model 2657A)	NIC
HV-CA-554-2	High Voltage Triax to Triax Cable (0.5, 1, 2, 3m) (Model 2657A)	NIC
HV-CA-571-3	High Voltage Triax to Unterminated Cable (Model 2657A)	NIC
HV-CS-1613	High Voltage Triax Feedthrough Connector (Model 2657A)	NIC

RECOMMENDED SERVICE

2651A-3Y-EW	3-Year KeithleyCare Gold Plan	NIC
2657A-3Y-EW	3-Year KeithleyCare Gold Plan	NIC
C/2651A-3Y-STD	KeithleyCare 3-Yr Std Cal Plan	NIC
C/2657A-3Y-STD	KeithleyCare 3-Yr Std Cal Plan	NIC
C/2651A-5Y-STD	KeithleyCare 5-Yr Std Cal Plan	NIC
C/2657A-5Y-STD	KeithleyCare 5-Yr Std Cal Plan	NIC

SHIPS WITH PRODUCT

- 7709-308A Digital I/O and Interlock Connector
- CA-180-3A TSP-Link/Ethernet Cable
- Documentation CD
- Software Tools and Drivers CD
- 2651A-KIT-1A: Low Impedance Cable Assembly (1m) (Model 2651)
- CS-1592-2: High Current Phoenix Connector (male) (Model 2651)
- CS-1626-2: High Current Phoenix Connector (female) (Model 2651)
- CA-557-1: Sense Line Cable Assembly (1m) (Model 2651)


ANOTHER PRODUCT FOR CONSIDERATION



With I-V capability up to 7A DC, 10.5A pulse and 1100V and power to 1kW pulsed, the **Models 2410, 2420, 2430, 2440 and 2460 SourceMeter SMU Instruments** offer a lower cost alternative for many power device applications.

See page 74 and 72

TOOLS FOR THE CUSTOMER

 Data Sheet

FOR MORE INFO VISIT
TEK.COM/SOURCE-MEASURE-UNITS/SMU-2650-SERIES-HIGH-POWER-SOURCEMETER

3 Reasons to Buy this Product

- 1 Up to 2000W of pulsed power; 200W DC with full, four-quadrant SMU performance.
- 2 Dual A/D converters – 22-bit high accuracy integrating and 18-bit high speed (1µs per point) digitizing – simultaneously measure voltage and current and precisely characterize steady-state behavior and transients, including rapidly changing thermal effects.
- 3 Scalable, flexible, high-speed TSP®/TSP-Link® architecture improves system-level speed to lower the cost of test and enables true multi-channel SMU-per-pin parallel test and mainframeless expansion.