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Data Sheet

August 15, 2026

AGILENT / KEYSIGHT

Agilent/Keysight 66111A DC Power Supply

Agilent Keysight HP 66111A Fast Transient DC Source 15 V 3 A The Agilent 66111A is a fast-transient single-output DC source for digital wireless handset testing. OEM 66111A/66311 user literature rates 0 to 15 V and 0 to 3 A continuous with 5 A peak for up to 7 ms, less than 35 us transient response, and built-in GPIB/RS-232 SCPI control. GSM CDMA TDMA PCS and related handset battery-eliminator bias with rapid load-step recovery. Fast voltage transient response for handset shutdown avoidance The Agilent 66111A is a fast-transient single-output DC source for digital wireless handset testing. OEM 66111A/66311 user literature rates 0 to 15 V and 0 to 3 A continuous with 5 A peak for up to 7 ms, less than 35 us transient response, and built-in GPIB/RS-232 SCPI control. GSM CDMA TDMA PCS and related handset battery-eliminator bias with rapid load-step recovery. Fast voltage transient response for handset shutdown avoidance Peak current sourcing for pulsed transmit loads



MODEL

**Agilent / Keysight
66111A**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

66111A

LISTING

**[https://aumictechlabs.c
om/products/66111a-2/](https://aumictechlabs.com/products/66111a-2/)**

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Agilent/Keysight 66111A is a fast transient DC power supply engineered for dynamic test environments requiring precise voltage and current control. Designed for R&D, semiconductor device characterization, and applications with fluctuating power demands, it delivers stable outputs with low noise and excellent regulation. Its rapid transient response and command processing speed minimize test interruptions and maximize manufacturing throughput. Technical

Specifications Output Ratings: Output Voltage: 0–15 VDC Output Current: 0–3 A Peak Sourcing Current: 5 A Current Sinking Capability: Up to 2.8 A Transient Response: Voltage Rise/Fall Time (10/90% and 90/10%): Less than 2 ms Settling Time: Less than 6 ms (within 1 LSB, $0.025\% \times$ rated voltage) Command Processing Time: 4 ms average (GPIB-connected supplies) Regulation Performance: Line Regulation: Less than 0.001% for any line voltage variation within input rating Load Regulation (Front Terminals): Less than 0.001% plus 200 μ V Load Regulation (Rear Terminals): Less than 0.001% plus 100 μ V Protection & Monitoring: Overvoltage Protection with front-panel adjustable trip levels Overcurrent Protection for DUT safety Over-temperature Protection Remote Sense with open-wire detectionKey Features Low output noise minimizes signal interference GPIB-compatible remote programming interface Automatic sense-wire diagnostics Operating Temperature: 0°C to 50°C; Storage: –20°C to 85°C Altitude Rating: Up to 2000 meters Humidity: Maximum 95% relative humidity Safety Class I with protective earth terminalTypical Applications Semiconductor device testing, component characterization under dynamic loads, battery charger evaluation, and sensitive circuit development where fast transient response and load regulation are critical.Compatibility & Integration GPIB interface enables integration into automated test systems. Remote sensing terminals support extended-distance measurement configurations.

66111A Characteristics / Specifications

PARAMETER	VALUE
Model	66111A
Instrument Type	Fast transient DC source
Dc Output Voltage	0 to 15 V
Dc Output Current Continuous	0 to 3 A
Dc Output Current Peak	5 A for up to 7 ms
Average Current Limit	cannot exceed 3 A
Programming Resolution Class	12 bits
Measurement Resolution Class	16 bits
Current Measurement Capability Class	up to approximately 7.0 A
Low Range Current Resolution Class	better than 1 uA on low range family instruments
Voltage Programming Accuracy Class	0.05 percent + 10 mV at 25 C plus or minus 5 C
Current Programming Accuracy Class	0.05 percent + 1.33 mA at 25 C plus or minus 5 C
Load Regulation Current	0.75 mA
Line Regulation Voltage	0.5 mV
Transient Response Time	less than 35 us
Ripple Noise Voltage Class	6 mV for phone capacitance greater than 6 uF cited condition
Remote Interfaces	GPIO and RS-232
Command Language	SCPI
Form Factor	compact half-rack
Operating Temperature Specs	0 to 55 C
Warm Up	30 minutes
Sense Location	rear terminals after warm-up with sense jumpers
Operating temperature	Specs: 0 to 55 C

66111A Specifications

PARAMETER	VALUE
Applications	GSM CDMA TDMA PCS and related handset battery-eliminator bias with rapid load-step recovery.
Peak current sourcing for pulsed transmit loads	12-bit programming resolution
Technical Specifications	Model: 66111A

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Operating temperature	Specs: 0 to 55 C
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Warm Up	30 minutes
Sense Location	rear terminals after warm-up with sense jumpers Notes From Agilent 66111A / 66311B/D / 66309B/D User Guide performance specification tables for the 66111A column. Peak current average must remain within the 3 A continuous rating.

Full OEM specifications

Complete technical content extracted from the manufacturer datasheet. Sparse OEM tables are reconstructed as tables below; other text is preserved as paragraphs.

Specifications	
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Available from Aumictech

Used and refurbished unit evaluated in-house. Calibration: Available on request. Used · In stock.

Request a quote: sales@aumictech.com · +1 (484) 841-9341

Aumictech

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Technical content from manufacturer specifications. Unit photo/stock from Aumictech listing when available. Specifications subject to OEM documentation and unit condition.