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Data Sheet

August 14, 2026

AGILENT / KEYSIGHT

Agilent/Keysight 66332A DC Power Supply

Agilent Keysight 66332A Dynamic Measurement DC Source 20 V 5 A The Agilent/Keysight 66332A is a 100 W dynamic measurement DC source for testing battery-powered digital communications devices. OEM Mobile Communications DC Sources catalog tables list 0 to 20 V / 0 to 5 A output, DSP-based dynamic measurement buffer, current sinking, and GPIB plus RS-232. Cell phone and wireless device battery drain characterization, pulsed current measurement, charger circuit sink testing, and high-throughput manufacturing power stimulus. The Agilent/Keysight 66332A is a 100 W dynamic measurement DC source for testing battery-powered digital communications devices. OEM Mobile Communications DC Sources catalog tables list 0 to 20 V / 0 to 5 A output, DSP-based dynamic measurement buffer, current sinking, and GPIB plus RS-232. Cell phone and wireless device battery drain characterization, pulsed current measurement, charger circuit sink testing, and high-throughput manufacturing power stimulus. Dynamic voltage and current pulse measurement



MODEL

**Agilent / Keysight
66332A**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

66332A

LISTING

<https://aumictechlabs.com/products/66332a-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Agilent/Keysight 66332A is a 100 W single-output DC power supply engineered for dynamic measurements of voltage and current waveforms in wireless communications device testing. It delivers stable power while capturing peak current behavior essential for characterizing pulsed

load demands, battery drain analysis, and transient response evaluation. The unit combines high-speed output programming, low noise output, and bidirectional current capability with advanced measurement precision.

Technical Specifications

Output Ratings Voltage: 0 to 20 V Current: 0 to 5 A continuous; 5 A peak for up to 7 ms Power: 100 W

Programming Accuracy (at 25°C ±5°C) Voltage: ±10 mV Current: ±2 mA

DC Readback Accuracy Voltage: 0.03% + 5 mV Current (+20 mA to +rated): 0.2% + 0.5 mA Current (–20 mA to –rated): 0.2% + 1.1 mA Current (–20 mA to +20 mA): 0.1% + 2.5 µA

Transient Response Response time: Less than 100 µs (650 mV drop) Output rise/fall time (10/90% to 90/10%): Less than 2 ms (400 µs fast mode) Settling time: Within 1 LSB in less than 6 ms (2 ms fast mode)

Key Features Dynamic voltage and current pulse measurement capability Precision current measurement across full operating range Bidirectional current sinking for load simulation Low output noise for sensitive device characterization High-speed programmable output with fast response compensation Built-in measurement system for multi-mode battery drain analysis Open-sense wire detection for reliability verification Output response compensation for varying wiring configurations Battery simulation and replacement for field device testing Voltage transient response minimizes test system throughput impact

Typical Applications Digital wireless communications product validation Mobile device battery current profiling Pulsed load characterization Component-level power integrity testing Cellular telephone manufacturer compliance testing

Compatibility & Integration GPIB (IEEE-488) interface RS-232 interface SCPI command set VXI plug&play drivers Bench-top form factor: 425.5 mm W × 88.1 mm H × 364.4 mm D Input: 120 VAC or 191–233 VAC, 50/60 Hz Part of 66300 Series

66332A Characteristics / Specifications

PARAMETER	VALUE
Model	66332A
Number Of Outputs	1
Output Voltage	0 to 20 V
Output Current	0 to 5 A
Peak Current Up To 7 ms	5 A
Maximum Power	100 W
Voltage Programming Accuracy 25 Plus Or Minus 5 C	0.05 percent plus 10 mV
Current Programming Accuracy	0.05 percent plus 2 mA
CV Ripple Noise RMS 20 Hz To 20 MHz	0.3 mV
CV Ripple Noise Peak To Peak	3 mV
CC Ripple Noise RMS	2 mA
DC Voltage Measurement Accuracy	0.03 percent plus 3 mV
DC Current Measurement Plus 20 mA To Rated	0.2 percent plus 0.5 mA
Low Current Measurement Range Accuracy Class	0.1 percent plus 2.5 uA on 20 mA range class
Dynamic Buffer Size	4096 points
Sampling Interval Range	15 us to 31200 s
Transient Response Time	less than 100 us
Remote Interfaces	GPIB and RS-232
Command Processing Time Average	4 ms with display disabled
Output Programming Rise Fall Fast Mode	less than 400 us 10/90 percent
DC Floating Voltage	plus or minus 240 Vdc from chassis
Remote Sense Drop Per Lead	up to 2 V
Operating Temperature	0 C to 55 C

PARAMETER	VALUE
Series Family	Agilent Mobile Communications DC Sources

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Operating temperature	0 C to 55 C
Operating Temperature	0 C to 55 C
Series Family	Agilent Mobile Communications DC Sources Notes From Agilent Power Products Catalog Mobile Communications DC Sources specification table column for 66332A. Confirm firmware and sense compensation range for long load leads.

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	
Specifications	
PARAMETER	VALUE
Model	66332A
Number Of Outputs	1
Output Voltage	0 to 20 V
Output Current	0 to 5 A
Peak Current Up To 7 ms	5 A
Maximum Power	100 W
Voltage Programming Accuracy 25 Plus Or Minus 5 C: 0.05 percent plus 10 mV	
Current Programming Accuracy: 0.05 percent plus 2 mA	
CV Ripple Noise RMS 20 Hz To 20 MHz: 0.3 mV	
Specifications	
PARAMETER	VALUE
CV Ripple Noise Peak To Peak	3 mV
CC Ripple Noise RMS	2 mA
DC Voltage Measurement Accuracy	0.03 percent plus 3 mV
DC Current Measurement Plus 20 mA To Rated: 0.2 percent plus 0.5 mA	
Specifications	
PARAMETER	VALUE
Low Current Measurement Range Accuracy Class	0.1 percent plus 2.5 uA on 20 mA range class
Dynamic Buffer Size	4096 points
Sampling Interval Range	15 us to 31200 s
Transient Response Time	less than 100 us
Remote Interfaces	GPIB and RS-232
Command Processing Time Average	4 ms with display disabled
Output Programming Rise Fall Fast Mode	less than 400 us 10/90 percent
DC Floating Voltage	plus or minus 240 Vdc from chassis

PARAMETER	VALUE
Remote Sense Drop Per Lead	up to 2 V
Operating Temperature	0 C to 55 C
Series Family	Agilent Mobile Communications DC Sources

Notes
From Agilent Power Products Catalog Mobile Communications DC Sources specification table column for 66332A.
Confirm firmware and sense compensation range for long load leads.

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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NIST-traceable calibration · SAM registered ·
30-day returns
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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.