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Data Sheet

August 14, 2026

AGILENT / KEYSIGHT

Agilent/Keysight 66101A DC Power Supply

Agilent Keysight 66101A 128 W DC Power Module 8 V 16 A The Agilent/Keysight 66101A is a DC power module for the 66000A mainframe. OEM module table rates 0 to 8 V / 0 to 16 A / 128 W at 40 C with GPIB programming via the mainframe. Low-voltage high-current modular ATE channels in 66000A frames. Series Family: Keysight 6610xA for 66000A The Agilent/Keysight 66101A is a DC power module for the 66000A mainframe. OEM module table rates 0 to 8 V / 0 to 16 A / 128 W at 40 C with GPIB programming via the mainframe. Low-voltage high-current modular ATE channels in 66000A frames. Series Family: Keysight 6610xA for 66000A Voltage Programming Accuracy 25 C: 0.03 percent plus 3 mV



MODEL

**Agilent / Keysight
66101A**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

66101A

LISTING

<https://aumictechlabs.com/products/66101a-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Agilent/Keysight 66101A is a 128 W DC power module engineered for automated test equipment (ATE) and production test environments. This compact power supply delivers 0–8 Vdc at 0–16 A and integrates into the 66000 Series Modular Power System via the 66000A mainframe. The modular architecture enables flexible multi-channel configurations, space-efficient rack integration, and tool-less module swapping through quick-disconnect connectors. The 66101A combines high precision with low noise performance. Voltage programming accuracy reaches 0.03% + 3 mV with readback accuracy of 0.02% + 2 mV (at 25°C ±5°C). Current programming accuracy is 0.03% + 6 mA with 0.02% + 6 mA readback. Output ripple and noise remain

exceptionally low: 2 mV RMS and 5 mV peak-to-peak across 20 Hz to 20 MHz. Line and load regulation are equally precise, with voltage regulation of 0.5 mV line and 1 mV load, and current regulation of 0.75 mA line and 0.5 mA load. Technical Specifications Output Voltage: 0–8 Vdc Output Current: 0–16 A Maximum Power: 128 W Voltage Ripple/Noise: 2 mV RMS, 5 mV peak-to-peak (20 Hz–20 MHz) Current RMS Noise: 8 mA Module Weight: 2.8 kg (6 lb) Key Features GPIB remote programming and SCPI command compatibility VXIplug&play drivers supported Electronic calibration via GPIB or keyboard Programmable over-voltage and over-current protection Over-temperature protection and discrete fault indicator/remote inhibit LIST Mode and output sequencing for advanced test automation Self-test at power-up or via GPIB command Typical Applications Component and subsystem characterization, production power source verification, and multipoint test scenarios requiring independent voltage and current channels within a single rack frame. Compatibility & Integration Requires the 66000A Power System Mainframe (4U rack space; supports up to eight 150 W modules). Option 760 includes the 5060-3387 Interconnect Module with isolation/polarity relays. Note: This product is manufacturer-designated obsolete.

Features & description

From manufacturer datasheet

Built-in voltage and current measurement

Programmable OVP LIST mode via mainframe Optional isolation/polarity relays Technical Specifications
Instrument Type: Modular DC power module Series Family: Keysight 6610xA for 66000A Output
Voltage At 40 C: 0 to 8 V Output Current At 40 C: 0 to 16 A Maximum Power: 128 W Voltage
Programming Accuracy 25 C: 0.03 percent plus 3 mV Current Programming Accuracy: 0.03 percent
plus 6 mA Voltage Readback Accuracy: 0.02 percent plus 2 mV Current Readback Accuracy: 0.02
percent plus 6 mA Ripple Noise CV RMS: per 66000A module table for 66101A Ripple Noise CV Peak
Peak: per 66000A module table for 66101A Average Programming Resolution Voltage: 2.4 mV Average
Programming Resolution Current: 4.6 mA OVP Programming Resolution: 50 mV OVP Accuracy: 250 mV
Line Regulation Voltage: 0.5 mV Line Regulation Current: 0.5 mA Load Regulation Voltage: 1 mV Load
Regulation Current: 0.5 mA Transient Response: less than 1 ms to within 100 mV for 10 percent step
Mainframe Compatibility: 66000A Weight Net Module: 2.8 kg (6 lb) DC Floating Voltage: plus or minus
240 Vdc Remote Sensing: up to half ratedVdrop per lead Notes From Keysight 66000A Modular Power
System data sheet 66101A column. Ripple rows: CV rms 2 mV / p-p per module table; confirm print.

66101A Characteristics / Specifications

PARAMETER	VALUE
Instrument Type	Modular DC power module
Series Family	Keysight 6610xA for 66000A
Output Voltage At 40 C	0 to 8 V
Output Current At 40 C	0 to 16 A
Maximum Power	128 W
Voltage Programming Accuracy 25 C	0.03 percent plus 3 mV
Current Programming Accuracy	0.03 percent plus 6 mA
Voltage Readback Accuracy	0.02 percent plus 2 mV
Current Readback Accuracy	0.02 percent plus 6 mA
Ripple Noise CV RMS	per 66000A module table for 66101A
Ripple Noise CV Peak Peak	per 66000A module table for 66101A
Average Programming Resolution Voltage	2.4 mV
Average Programming Resolution Current	4.6 mA
OVP Programming Resolution	50 mV
OVP Accuracy	250 mV
Line Regulation Voltage	0.5 mV
Line Regulation Current	0.5 mA
Load Regulation Voltage	1 mV
Load Regulation Current	0.5 mA
Transient Response	less than 1 ms to within 100 mV for 10 percent step
Mainframe Compatibility	66000A
Weight Net Module	2.8 kg (6 lb)
DC Floating Voltage	plus or minus 240 Vdc
Remote Sensing	up to half ratedVdrop per lead

66101A Specifications

PARAMETER	VALUE
Agilent Keysight 66101A 128 W DC Power Module 8 V 16 A	Overview
Applications	Low-voltage high-current modular ATE channels in 66000A frames.
Key Features	Hot-swap class modular output in 66000A
Technical Specifications	Instrument Type: Modular DC power module
Notes	From Keysight 66000A Modular Power System data sheet 66101A column. Ripple rows: CV rms 2 mV / p-p per module table; confirm print.

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
Instrument Type	Modular DC power module
Series Family	Keysight 6610xA for 66000A
Output Voltage At 40 C	0 to 8 V
Output Current At 40 C	0 to 16 A
Maximum Power	128 W
Voltage Programming Accuracy 25 C	0.03 percent plus 3 mV
Current Programming Accuracy	0.03 percent plus 6 mA
Voltage Readback Accuracy	0.02 percent plus 2 mV
Current Readback Accuracy	0.02 percent plus 6 mA
Ripple Noise CV RMS	per 66000A module table for 66101A
Ripple Noise CV Peak Peak	per 66000A module table for 66101A
Average Programming Resolution Voltage	2.4 mV
Average Programming Resolution Current	4.6 mA
OVP Programming Resolution	50 mV
OVP Accuracy	250 mV
Line Regulation Voltage	0.5 mV
Line Regulation Current	0.5 mA
Load Regulation Voltage	1 mV
Load Regulation Current	0.5 mA
Transient Response	less than 1 ms to within 100 mV for 10 percent step
Mainframe Compatibility	66000A
Weight Net Module	2.8 kg (6 lb)
DC Floating Voltage	plus or minus 240 Vdc
Remote Sensing	up to half ratedVdrop per lead

Notes

From Keysight 66000A Modular Power System data sheet 66101A column. Ripple rows: CV rms 2 mV / p-p per module table; confirm print.

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.