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Data Sheet

August 14, 2026

HP / AGILENT

HP / Agilent 66106A DC Power Module, 200V, 0.75A

HP Agilent 66106A Modular DC Power Module 200 V 0.75 A The Agilent/Keysight 66106A is a 150 W modular DC power module for the 66000A modular power system. OEM specifications rate 0 to 200 V and 0 to 0.75 A with 0.03% programming accuracy class offsets, SCPI control, and active downprogramming. 200 V class modular ATE bias, multi-channel high-voltage rails in a 66000A chassis, and GPIB automated sourcing with voltage/current readback. 150 W modular channel to 200 V for 66000A The Agilent/Keysight 66106A is a 150 W modular DC power module for the 66000A modular power system. OEM specifications rate 0 to 200 V and 0 to 0.75 A with 0.03% programming accuracy class offsets, SCPI control, and active downprogramming. 200 V class modular ATE bias, multi-channel high-voltage rails in a 66000A chassis, and GPIB automated sourcing with voltage/current readback. 150 W modular channel to 200 V for 66000A Active downprogrammer approximately 10% of rated current



MODEL

**HP / Agilent
66106A**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

66106A

LISTING

<https://aumictechlabs.com/products/66106a-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The HP/Agilent 66106A is a 150 W DC power module engineered for integration into the Agilent 66000A Power System Mainframe. This compact, field-swappable unit delivers programmable output from 0 to 200 V and 0 to 0.75 A, making it ideal for automated test environments requiring

precise voltage and current control. GPIB programming enables remote command of all power functions, including voltage, current, over-voltage protection, and over-current protection settings. The module incorporates self-test diagnostics initiated at power-up or via GPIB, electronic calibration capability, and over-temperature protection. Five nonvolatile memory states per output allow rapid recall of test configurations, while user-definable power-on behavior simplifies system startup sequences. Technical Specifications Output: 0–200 V, 0–0.75 A (150 W maximum) Programming Accuracy (25°C ±5°C): Voltage 0.03% + 90 mV; Current 0.03% + 0.4 mA Output Ripple & Noise (20 Hz–20 MHz): 30 mV RMS / 50 mV peak-to-peak (voltage); 1 mA RMS (current) Rise/Fall Time (10%–90%): <20 ms Voltage Settling Time: <120 ms (within 0.1% of final value) Inductive Load Capability: Up to 100 mH; higher inductances may require module modification Remote Sensing: Up to half rated voltage drop per load lead Weight: 2.8 kg (6 lb) Modular Format: 7-inch-high (4U EIA) mainframe; accommodates up to eight modules Key Features GPIB-programmable voltage and current control Programmable over-voltage and over-current protection Automatic self-test (power-up or GPIB-initiated) Electronic calibration over GPIB or keyboard Five store-recall memory states per output User-definable power-on state Over-temperature protection Discrete Fault Indicator/Remote Inhibit interface Typical Applications Automated test equipment, production testing, device characterization, and burn-in test systems requiring multiple independent DC sources in a compact mainframe architecture. Compatibility & Integration Designed exclusively for the Agilent 66000A Power System Mainframe. Interfaces via GPIB for system integration with ATE controllers and test software.

66106A Characteristics / Specifications

PARAMETER	VALUE
Output Voltage Rating	0 to 200 V
Output Current Rating	0 to 0.75 A
Output Power Rating	150 W
Programming Accuracy Voltage	0.03% + 90 mV at calibration temperature plus or minus 5 C
Programming Accuracy Current	0.03% + 0.4 mA at calibration temperature plus or minus 5 C
Ripple Noise Voltage RMS	30 mV (20 Hz to 20 MHz)
Ripple Noise Voltage Peak to Peak	50 mV (20 Hz to 20 MHz)
Ripple Noise Current RMS	1 mA
Readback Accuracy Voltage	0.02% + 54 mV after self calibration
Readback Accuracy Current	0.02% + 0.3 mA after self calibration
Load Regulation Voltage	7 mV
Load Regulation Current	30 uA
Line Regulation Voltage	5 mV
Line Regulation Current	30 uA
Transient Response Time	less than 1 ms to within 100 mV for up to 10% rated current step
Max Programmable Voltage	204.75 V
Max Programmable Current	0.768 A
OVP Maximum	240.0 V
Programming Resolution Voltage	60.0 mV average
Programming Resolution Current	0.23 mA average
OVP Resolution	1.25 V
OVP Accuracy	2.5 V at calibration temperature plus or minus 5 C
Readback Resolution Voltage	7.629 mV
Readback Resolution Current	0.030 mA
Drift Voltage 8 hour	0.02% + 10 mV

PARAMETER	VALUE
Drift Current 8 hour	0.02% + 0.38 mA
Temperature Coefficient Voltage	30 ppm + 1.8 mV perCTemperature Coefficient Current: 30 ppm + 0.006 mA perCOutput Terminal Isolation: plus or minus 240 Vdc from chassis ground
Operating Temperature	0 to 55 C (derate current 1% perCfrom 40 to 55 C)
Module Net Weight	2.8 kg (6 lb)

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
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Module Net Weight	2.8 kg (6 lb) Notes Numeric rows from Keysight/Agilent 661xxA/66001A Users Guide Table 1-1 and Table 1-2 for model 66106A.

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 rate 0 to 200 V and 0 to 0.75 A with 0.03% programming accuracy class offsets, SCPI control, and active downprogramming.

Applications
200 V class modular ATE bias, multi-channel high-voltage rails in a 66000A chassis, and GPIB automated sourcing with voltage/current readback.

Key Features
150 W modular channel to 200 V for 66000A
SCPI over GPIB via mainframe
Active downprogrammer approximately 10% of rated current
Programmable OVP and remote sensing
Self calibration supported readback

Technical Specifications

Technical Specifications

PARAMETER	VALUE
Output Voltage Rating	0 to 200 V
Output Current Rating	0 to 0.75 A
Output Power Rating	150 W
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Notes

Numeric rows from Keysight/Agilent 661xxA/66001A Users Guide Table 1-1 and Table 1-2 for model 66106A.

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.