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Data Sheet

August 14, 2026

AGILENT / HP

Agilent HP 66000A / 3X 66104A / 66101A Power Supply

Agilent / HP DC Power Supplies. Voltage / Current Range: 0–2.5 A (per 66104A/66101A module), 0–60 V, Accuracy: voltage 0.03% + 27 mV.



MODEL

**Agilent / HP
66000A/66104A/66101A**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

66000A/66104A/66101A

LISTING

<https://aumictechlabs.com/products/66000a-66104a-66101a-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Agilent HP 66000A is a modular DC power system mainframe engineered for automated test equipment and production test environments. This 4U rack-mount mainframe accepts up to eight single-slot DC power modules, delivering 1200 W total system power with up to 150 W per module. The 66104A and 66101A modules provide 0–60 V output at 0–2.5 A, with programming accuracy of 0.03% + 27 mV (voltage) and 0.03% + 1.2 mA (current). Front-panel module removal via quick-disconnect connectors eliminates load-wire disconnection during service. GPIB control with SCPI command set enables remote voltage and current programming, while LIST mode and advanced sequencing support up to 20 parameter sets per output. Programmable over-voltage, over-current, and over-temperature protection safeguard test circuits. Five nonvolatile store-recall states and user-definable power-on configuration streamline recurring test scenarios. Technical Specifications Mainframe capacity: eight DC power modules, 1200 W total Power module output:

0–60 V, 0–2.5 A, 150 W max per module Programming accuracy: voltage 0.03% + 27 mV; current 0.03% + 1.2 mA (at 25°C ±5°C) Interface: GPIB (IEEE 488) with SCPI command set Form factor: 4U rack height (7 inches / 19 kg shipping weight) Output sequencing: up to 20 voltage, current, and dwell-time sets per output Operating temperature: 0–55°C; humidity to 95%; altitude to 2000 mKey Features Discrete Fault Indicator/Remote Inhibit (DFI/RI) function Electronic calibration via GPIB or optional keyboard Five per-output store-recall states plus user-definable power-on state Serial link control: up to 16 outputs from single GPIB address via auxiliary mainframe Programmable over-voltage protection (OVP), over-current protection (OCP), over-temperature protectionTypical Applications Automated test equipment (ATE) power delivery Production and manufacturing test environments Multi-rail power sequencing for complex device characterizationCompatibility & Integration Optional 66001A Modular Power System Keyboard provides manual control and program development. Rack mount kits (5063-9215, 5063-9222) and cabinet rails (E3663AC) available for system integration.

Features & description

From manufacturer datasheet

Built-in measurements

Five nonvolatile store-recall states Technical Specifications Model: 66104A Output Voltage At 40 C: 0 to 60 V Output Current At 40 C: 0 to 2.5 A Maximum Power: 150 W Voltage Programming Accuracy 25 Plus Or Minus 5 C: 0.03 percent plus 27 mV Current Programming Accuracy: 0.03 percent plus 1.2 mA Voltage Readback Accuracy Class: 0.02 percent plus offset per module table Current Readback Accuracy Class: 0.02 percent plus offset per module table Average Programming Resolution Voltage: 18.0 mV Average Programming Resolution Current: 0.75 mA OVP Programming Resolution: 375 mV OVP Accuracy: 1 V Mainframe Compatibility: 66000A eight-slot 1200 W system Maximum Power Per Module Family: 150 W System Total Power With Full Mainframe: 1200 W DFI RI: discrete fault indicator remote inhibit supported at system level Self Test: power-up or GPIB Electronic Calibration: over GPIB or keyboard Store Recall States: five nonvolatile per output Series Family: Agilent 6610xA modules for 66000A Special Order Example: 66104A-J09 55 V 3 A class option exists on Keysight pages Over Temperature Protection: yes User Definable Power On State: yes DFI RI Support: yes at system level Electronic Calibration Path: GPIB or keyboard

66000A66104A66101A Characteristics / Specifications

PARAMETER	VALUE
Model	66104A
Output Voltage At 40 C	0 to 60 V
Output Current At 40 C	0 to 2.5 A
Maximum Power	150 W
Voltage Programming Accuracy 25 Plus Or Minus 5 C	0.03 percent plus 27 mV
Current Programming Accuracy	0.03 percent plus 1.2 mA
Voltage Readback Accuracy Class	0.02 percent plus offset per module table
Current Readback Accuracy Class	0.02 percent plus offset per module table
Average Programming Resolution Voltage	18.0 mV
Average Programming Resolution Current	0.75 mA
OVP Programming Resolution	375 mV
OVP Accuracy	1 V
Mainframe Compatibility	66000A eight-slot 1200 W system
Maximum Power Per Module Family	150 W
System Total Power With Full Mainframe	1200 W
DFI RI	discrete fault indicator remote inhibit supported at system level
Self Test	power-up or GPIB
Electronic Calibration	over GPIB or keyboard
Store Recall States	five nonvolatile per output
Series Family	Agilent 6610xA modules for 66000A
Special Order Example	66104A-J09 55 V 3 A class option exists on Keysight pages
Over Temperature Protection	yes
User Definable Power On State	yes
DFI RI Support	yes at system level

PARAMETER	VALUE
Electronic Calibration Path	GPIB or keyboard

66000A66104A66101A Specifications

PARAMETER	VALUE
HP Keysight 66104A 150 W DC Power Module 60 V 2.5 A	Overview
Key Features	60 V 2.5 A 150 W modular output
Technical Specifications	Model: 66104A

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	66104A
Output Voltage At 40 C	0 to 60 V
Output Current At 40 C	0 to 2.5 A
Maximum Power	150 W
Voltage Programming Accuracy 25 Plus Or Minus 5 C: 0.03 percent plus 27 mV	
Specifications	
PARAMETER	VALUE
Current Programming Accuracy	0.03 percent plus 1.2 mA
Voltage Readback Accuracy Class	0.02 percent plus offset per module table
Current Readback Accuracy Class	0.02 percent plus offset per module table
Average Programming Resolution Voltage	18.0 mV
Average Programming Resolution Current	0.75 mA
OVP Programming Resolution	375 mV
OVP Accuracy	1 V
Mainframe Compatibility	66000A eight-slot 1200 W system
Maximum Power Per Module Family	150 W
System Total Power With Full Mainframe	1200 W
DFI RI	discrete fault indicator remote inhibit supported at system level
Self Test	power-up or GPIB
Electronic Calibration	over GPIB or keyboard
Store Recall States	five nonvolatile per output
Series Family	Agilent 6610xA modules for 66000A
Special Order Example	66104A-J09 55 V 3 A class option exists on Keysight pages
Specifications	

PARAMETER	VALUE
Over Temperature Protection	yes
User Definable Power On State	yes
DFI RI Support	yes at system level
Electronic Calibration Path	GPIB or keyboard

Notes
From Keysight/Agilent 66000A Modular Power System data sheet module column for 66104A. Confirm exact option suffix if J-special and mainframe slot population.

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.