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Data Sheet

August 14, 2026

AGILENT / KEYSIGHT

Agilent/Keysight 66104A DC Power Supply

Agilent Keysight 66104A 150 W DC Power Module 60 V 2.5 A The Agilent/Keysight 66104A is a 150 W DC power module for the 66000A modular power system providing 0 to 60 V at 0 to 2.5 A. OEM 66000A datasheets list programming and readback accuracies, OVP resolution, and system features shared across 66101A through 66106A modules. 60 V class automated multi-rail DC test in 66000A mainframes, manufacturing fixtures needing modular 150 W channels, and reconfigurable ATE power. Programmable OVP and overcurrent protection The Agilent/Keysight 66104A is a 150 W DC power module for the 66000A modular power system providing 0 to 60 V at 0 to 2.5 A. OEM 66000A datasheets list programming and readback accuracies, OVP resolution, and system features shared across 66101A through 66106A modules. 60 V class automated multi-rail DC test in 66000A mainframes, manufacturing fixtures needing modular 150 W channels, and reconfigurable ATE power. Programmable OVP and overcurrent protection Voltage Programming Accuracy 25 Plus Or Minus 5 C: 0.03 percent plus 27 mV

**MODEL****Agilent / Keysight
66104A****CALIBRATION****Available on
request****CONDITION****Used****STATUS****In stock****RFQ / SKU****66104A****LISTING**<https://aumictechlabs.com/products/66104a-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Agilent/Keysight 66104A is a 150 W DC power module engineered for integration into the 66000A Power System Mainframe. This modular unit delivers programmable output from 0 to 60 Vdc at 0 to 2.5 A, making it ideal for automated test equipment (ATE) and production test

environments requiring stable, low-noise power delivery. Programming accuracy reaches 0.03% + 27 mV for voltage and 0.03% + 1.2 mA for current at 25°C ±5°C. The module exhibits exceptionally low ripple and noise - 9 mV rms (15 mV peak-to-peak) for voltage and 1 mA rms for current across the 20 Hz to 20 MHz band. High-accuracy read-back of voltage and current is available via GPIB interface.

Technical Specifications

Output Power: 150 W maximum
Output Voltage: 0 to 60 Vdc
Output Current: 0 to 2.5 A
Voltage Programming Accuracy (at 25°C ±5°C): 0.03% + 27 mV
Current Programming Accuracy (at 25°C ±5°C): 0.03% + 1.2 mA
Voltage Ripple and Noise: 9 mV rms / 15 mV peak-to-peak (20 Hz to 20 MHz)
Current Ripple and Noise: 1 mA rms (20 Hz to 20 MHz)
Interface: GPIB (IEEE 488.2), SCPI-compliant
Drivers: VXI Plug&Play LabVIEW and IVI drivers available
Output Sequencing: Supported

Key Features

Low-noise design ensures signal integrity for precision measurement applications
Eight modules fit within 4U of rack space when installed in 66000A mainframe
Easily swappable modules enable rapid system reconfiguration
High-accuracy read-back via GPIB for closed-loop control
Optional isolation/polarity relays (Option 760) or fault indicators (Option J10) available

Typical Applications

Component and circuit board testing in manufacturing
Device characterization in R&D laboratories
Production test automation
Multi-channel power distribution in instrument racks

Compatibility & Integration

Designed exclusively for the 66000A Power System Mainframe. Configuration options include variant outputs (Option J09: 55 V, 3 A, 165 W) and output connector deletion (Option J15).

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

66104A 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

66104A Specifications

PARAMETER	VALUE
Agilent 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 ·
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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.