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Data Sheet

August 14, 2026

HP / AGILENT

HP / Agilent 66103A DC Power Module, 35V, 4.5A

HP Agilent 66103A Modular DC Power Module 35 V 4.5 A The Agilent/Keysight 66103A is a single-output modular DC power module for the 66000A modular power system mainframe. OEM Table 1-1 rates 0 to 35 V, 0 to 4.5 A, 157.5 W at local sense with SCPI programming, active downprogramming, and GPIB system control through the mainframe. ATE and burn-in rails needing 35 V class modular channels, multi-output sequenced bias in a 66000A chassis, and GPIB automated voltage/current sourcing with readback. SCPI command set over GPIB via 66000A mainframe The Agilent/Keysight 66103A is a single-output modular DC power module for the 66000A modular power system mainframe. OEM Table 1-1 rates 0 to 35 V, 0 to 4.5 A, 157.5 W at local sense with SCPI programming, active downprogramming, and GPIB system control through the mainframe. ATE and burn-in rails needing 35 V class modular channels, multi-output sequenced bias in a 66000A chassis, and GPIB automated voltage/current sourcing with readback. SCPI command set over GPIB via 66000A mainframe Active downprogrammer sinks about 10 percent of rated current



MODEL

**HP / Agilent
66103A**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

66103A

LISTING

<https://aumictechlabs.com/products/66103a-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The HP/Agilent 66103A is a 150 W DC power module engineered for automated test environments and production test systems. This modular unit inserts into the Agilent 66000 Modular Power System mainframe, enabling flexible multi-module configurations within minimal rack space. The

66103A delivers precise voltage and current control via GPIB programmability, making it ideal for bias power delivery, stimulus generation, and subassembly characterization in demanding ATE applications. Technical Specifications Output Voltage: 0 to 35 V Output Current: 0 to 4.5 A Maximum Power: 150 W Programming Accuracy (at 25°C ±5°C): Voltage 0.03% + 13 mV; Current 0.03% + 2 mA Readback Accuracy (25°C ±5°C): Voltage 0.02% + 2 mV; Current 0.02% + 6 mA Voltage Ripple & Noise (20 Hz to 20 MHz): 5 mV RMS / 10 mV peak-to-peak Current Ripple & Noise: 2 mA RMS Line Regulation: Voltage 1 mV; Current 0.5 mA Load Regulation: Voltage 1 mV; Current 0.5 mA Output Capacitance: 10,000 µF Inductive Load Capability: Up to 100 mH Operating Temperature: 0 to 55°C Module Dimensions: 23 × 2 × 6 inches Module Weight: 6 lbs Key Features GPIB remote control and programming with SCPI compliance Programmable over-voltage and over-current protection Electronic calibration via GPIB or front-panel keyboard Power-up self-test and on-demand diagnostics Over-temperature protection Five non-volatile memory states for configuration storage and recall User-definable power-on state configuration Output sequencing for complex test routines Discrete Fault Indicator/Remote Inhibit (DFI/RI) signal output VXIplug&play driver support Typical Applications Bias power distribution for component and subassembly testing. Stimulus generation in functional and parametric test routines. Multi-module systems supporting up to eight 66103A modules in 4U of rack space. Compatibility & Integration Designed for installation in the Agilent 66000A MPS Mainframe. Supports SCPI command set and VXIplug&play drivers for integration into automated test platforms.

66103A Characteristics / Specifications

PARAMETER	VALUE
Output Voltage Rating	0 to 35 V
Output Current Rating	0 to 4.5 A
Output Power Rating	157.5 W
Programming Accuracy Voltage	0.03% + 13 mV at calibration temperature plus or minus 5 C
Programming Accuracy Current	0.03% + 2 mA at calibration temperature plus or minus 5 C
Ripple Noise Voltage RMS	5 mV (20 Hz to 20 MHz)
Ripple Noise Voltage Peak to Peak	10 mV (20 Hz to 20 MHz)
Ripple Noise Current RMS	2 mA
Readback Accuracy Voltage	0.02% + 8 mV after self calibration
Readback Accuracy Current	0.02% + 2 mA after self calibration
Load Regulation Voltage	1 mV
Load Regulation Current	0.2 mA
Line Regulation Voltage	1 mV
Line Regulation Current	0.3 mA
Transient Response Time	less than 1 ms to within 100 mV for up to 10% rated current step
Max Programmable Voltage	35.831 V
Max Programmable Current	4.607 A
OVP Maximum	42.0 V
Programming Resolution Voltage	10.4 mV average
Programming Resolution Current	1.4 mA average
OVP Resolution	200 mV
OVP Accuracy	800 mV at calibration temperature plus or minus 5 C
Readback Resolution Voltage	1.335 mV
Readback Resolution Current	0.169 mA
Drift Voltage 8 hour	0.02% + 2 mV

PARAMETER	VALUE
Drift Current 8 hour	0.02% + 2.5 mA
Temperature Coefficient Voltage	30 ppm + 0.3 mV perC Temperature Coefficient Current: 30 ppm + 0.05 mA perC Output Terminal Isolation: plus or minus 240 Vdc from chassis ground
Operating Temperature	0 to 55 C (derate current 1% perC from 40 to 55 C)
Module Net Weight	2.8 kg (6 lb)

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Operating temperature	0 to 55 C (derate current 1% perCfrom 40 to 55 C)
Operating Temperature	0 to 55 C (derate current 1% perCfrom 40 to 55 C)
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 66103A. System GPIB and sequencing are provided by the 66000A mainframe.

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
Output Voltage Rating	0 to 35 V
Output Current Rating	0 to 4.5 A
Output Power Rating	157.5 W
Programming Accuracy Voltage	0.03% + 13 mV at calibration temperature plus or minus 5 C
Programming Accuracy Current	0.03% + 2 mA at calibration temperature plus or minus 5 C
Ripple Noise Voltage RMS	5 mV (20 Hz to 20 MHz)
Ripple Noise Voltage Peak to Peak	10 mV (20 Hz to 20 MHz)
Ripple Noise Current RMS	2 mA
Readback Accuracy Voltage	0.02% + 8 mV after self calibration
Readback Accuracy Current	0.02% + 2 mA after self calibration
Load Regulation Voltage	1 mV
Load Regulation Current	0.2 mA
Line Regulation Voltage	1 mV
Line Regulation Current	0.3 mA
Transient Response Time	less than 1 ms to within 100 mV for up to 10% rated current step
Max Programmable Voltage	35.831 V
Max Programmable Current	4.607 A
OVP Maximum	42.0 V
Programming Resolution Voltage	10.4 mV average
Programming Resolution Current	1.4 mA average
OVP Resolution	200 mV
OVP Accuracy	800 mV at calibration temperature plus or minus 5 C
Readback Resolution Voltage	1.335 mV
Readback Resolution Current	0.169 mA
Drift Voltage 8 hour	0.02% + 2 mV
Drift Current 8 hour	0.02% + 2.5 mA

PARAMETER	VALUE
Temperature Coefficient Voltage	30 ppm + 0.3 mV perCTemperature Coefficient Current: 30 ppm + 0.05 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)

Notes

Numeric rows from Keysight/Agilent 661xxA/66001A Users Guide Table 1-1 and Table 1-2 for model 66103A. System GPIB and sequencing are provided by the 66000A mainframe.

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.