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Data Sheet

August 14, 2026

HP / AGILENT

HP / Agilent 66105A DC Power Module, 120V, 1.25A

HP Agilent 66105A Modular DC Power Module 120 V 1.25 A The Agilent/Keysight 66105A is a 150 W modular DC power module for the 66000A modular power system. OEM specifications rate 0 to 120 V and 0 to 1.25 A with SCPI programming accuracy of 0.03% plus offsets, low ripple, and active downprogramming. Higher-voltage modular ATE bias to 120 V, multi-rail systems in shared 66000A mainframe, and automated GPIB voltage/current control with readback. 150 W autoranging class modular channel for 66000A The Agilent/Keysight 66105A is a 150 W modular DC power module for the 66000A modular power system. OEM specifications rate 0 to 120 V and 0 to 1.25 A with SCPI programming accuracy of 0.03% plus offsets, low ripple, and active downprogramming. Higher-voltage modular ATE bias to 120 V, multi-rail systems in shared 66000A mainframe, and automated GPIB voltage/current control with readback. 150 W autoranging class modular channel for 66000A Active downprogrammer approximately 10% of rated current



MODEL	CALIBRATION
HP / Agilent 66105A	Available on request
CONDITION	STATUS
Used	In stock
RFQ / SKU	LISTING
66105A	https://aumictechlabs.com/products/66105a-2/

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The HP/Agilent 66105A is a 150 W DC power module engineered for integration into automated test equipment and production test systems. This programmable supply delivers 0–120 V at 0–1.25

A with exceptional stability and control. It features over-voltage and over-current protection, electronic calibration, self-testing, and five nonvolatile store-recall states per output. The 66105A is a member of the Agilent 66000 Modular Power System, which supports high-density configurations of up to eight 150 W modules in a single 4U mainframe, reducing rack footprint and simplifying interconnect complexity.

Technical Specifications

Output voltage range: 0–120 V
Output current range: 0–1.25 A
Maximum output power: 150 W
Programming accuracy (25°C ±5°C): ±0.03% + 54 mV (voltage); ±0.03% + 0.6 mA (current)
Readback accuracy via GPIB or keyboard (25°C ±5°C): ±0.02% + 32 mV (voltage); ±0.02% + 2 mA (current)
Voltage ripple and noise (20 Hz–20 MHz): 18 mV RMS, 25 mV peak-to-peak
Current noise (20 Hz–20 MHz): 1 mA RMS
Line regulation: 0.5 mV (voltage); 0.75 mA (current)
Load regulation: 1 mV (voltage); 0.5 mA (current)
Transient response time: <20 ms (10%–90% and 90%–10%)
Input AC voltage: Selectable (100 V, 120 V, 200 V, 220 V, 230 V, 240 VAC)
Maximum input current: 25 A at 120 VAC

Key Features

- Programmable over-voltage and over-current protection
- Over-temperature protection and discrete fault indicator/remote inhibit
- GPIB interface (IEEE-488.2, SCPI-compatible) for voltage and current programming
- Electronic calibration via GPIB or keyboard
- User-definable power-on state with nonvolatile memory
- Power-up self-test capability
- Quick-disconnect output connectors
- Agilent Serial Link for multi-output control (up to 16 outputs at one GPIB address)

Typical Applications

Automated test equipment, production test environments, and measurement systems requiring stable, programmable DC power with integrated protection and high control precision.

Compatibility & Integration

Compatible with Agilent 66000 Series mainframes and the 66000A, 66001A, and 661XXA product families. Operates as a standalone module or in multi-module configurations via shared GPIB control.

66105A Characteristics / Specifications

PARAMETER	VALUE
Output Voltage Rating	0 to 120 V
Output Current Rating	0 to 1.25 A
Output Power Rating	150 W
Programming Accuracy Voltage	0.03% + 54 mV at calibration temperature plus or minus 5 C
Programming Accuracy Current	0.03% + 0.6 mA at calibration temperature plus or minus 5 C
Ripple Noise Voltage RMS	18 mV (20 Hz to 20 MHz)
Ripple Noise Voltage Peak to Peak	25 mV (20 Hz to 20 MHz)
Ripple Noise Current RMS	1 mA
Readback Accuracy Voltage	0.02% + 32 mV after self calibration
Readback Accuracy Current	0.02% + 0.6 mA after self calibration
Load Regulation Voltage	4 mV
Load Regulation Current	50 uA
Line Regulation Voltage	3 mV
Line Regulation Current	50 uA
Transient Response Time	less than 1 ms to within 100 mV for up to 10% rated current step
Max Programmable Voltage	122.85 V
Max Programmable Current	1.280 A
OVP Maximum	144.0 V
Programming Resolution Voltage	36.0 mV average
Programming Resolution Current	0.39 mA average
OVP Resolution	750 mV
OVP Accuracy	1.5 V at calibration temperature plus or minus 5 C
Readback Resolution Voltage	4.577 mV
Readback Resolution Current	0.049 mA
Drift Voltage 8 hour	0.02% + 6 mV

PARAMETER	VALUE
Drift Current 8 hour	0.02% + 0.63 mA
Temperature Coefficient Voltage	30 ppm + 1.1 mV perCTemperature Coefficient Current: 30 ppm + 0.01 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
Operating temperature	0 to 55 C (derate current 1% perCfrom 40 to 55 C)
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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 66105A.

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 120 V and 0 to 1.25 A with SCPI programming accuracy of 0.03% plus offsets, low ripple, and active downprogramming.

Applications

Higher-voltage modular ATE bias to 120 V, multi-rail systems inashared 66000A mainframe, and automated GPIB voltage/current control with readback.

Key Features

150 W autoranging class modular channel for 66000A

SCPI programming language

Active downprogrammer approximately 10% of rated current

Remote sense and programmable OVP

Self calibration with GPIB or keyboard readback

Technical Specifications

Technical Specifications

PARAMETER	VALUE
Output Voltage Rating	0 to 120 V
Output Current Rating	0 to 1.25 A
Output Power Rating	150 W
Programming Accuracy Voltage	0.03% + 54 mV at calibration temperature plus or minus 5 C
Programming Accuracy Current	0.03% + 0.6 mA at calibration temperature plus or minus 5 C
Ripple Noise Voltage RMS	18 mV (20 Hz to 20 MHz)
Ripple Noise Voltage Peak to Peak	25 mV (20 Hz to 20 MHz)
Ripple Noise Current RMS	1 mA
Readback Accuracy Voltage	0.02% + 32 mV after self calibration
Readback Accuracy Current	0.02% + 0.6 mA after self calibration
Load Regulation Voltage	4 mV
Load Regulation Current	50 uA
Line Regulation Voltage	3 mV
Line Regulation Current	50 uA
Transient Response Time	less than 1 ms to within 100 mV for up to 10% rated current step
Max Programmable Voltage	122.85 V
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Programming Resolution Voltage	36.0 mV average
Programming Resolution Current	0.39 mA average

PARAMETER	VALUE
OVP Resolution	750 mV
OVP Accuracy	1.5 V at calibration temperature plus or minus 5 C
Readback Resolution Voltage	4.577 mV
Readback Resolution Current	0.049 mA
Drift Voltage 8 hour	0.02% + 6 mV
Drift Current 8 hour	0.02% + 0.63 mA
Temperature Coefficient Voltage	30 ppm + 1.1 mV perC Temperature Coefficient Current: 30 ppm + 0.01 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)

Notes

Numeric rows from Keysight/Agilent 661xxA/66001A Users Guide Table 1-1 and Table 1-2 for model 66105A.

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.