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Data Sheet

August 14, 2026

AGILENT / KEYSIGHT

Agilent/Keysight 6655A DC Power Supply

HP Agilent 6655A Single-Output 500 W System DC Power Supply The Agilent 6655A is a single-output linear-regulated GPIB DC power supply in the 6650A series. OEM datasheet ratings are 120 V / 4 A within a common 500 W envelope, with fast up/down programming, built-in measurements, and SCPI over GPIB. Manufacturing ATE bias where fast programming and low noise improve throughput, burn-in of assemblies needing crowbar and mode-crossover protection, and multi-supply serial-link racks sharing one GPIB address. The Agilent 6655A is a single-output linear-regulated GPIB DC power supply in the 6650A series. OEM datasheet ratings are 120 V / 4 A within a common 500 W envelope, with fast up/down programming, built-in measurements, and SCPI over GPIB. Manufacturing ATE bias where fast programming and low noise improve throughput, burn-in of assemblies needing crowbar and mode-crossover protection, and multi-supply serial-link racks sharing one GPIB address. Analog control of output voltage and current Fan-speed control to minimize acoustic noise



MODEL

**Agilent / Keysight
6655A**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

6655A

LISTING

<https://aumictechlabs.com/products/6655a-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Agilent/Keysight 6655A is a single-output DC power supply delivering 480 W across a 0–120 V, 0–4 A range. Designed for automated test systems and high-throughput production environments, this instrument combines precise voltage and current programming with exceptional transient response and low-noise output characteristics. Technical Specifications

Output Ratings Single output: 0–120 V, 0–4 A at 40°C (3.6 A at 50°C, 3.4 A at 55°C) Total power: 480 W Programming & Readback Accuracy (at 25°C ± 5°C) Voltage programming: 0.06% + 51 mV Current programming: 0.15% + 4 mA Voltage readback: 0.07% + reading offset Current readback: 0.15% + reading offset Output Quality Voltage ripple and noise (20 Hz–20 MHz): 700 µV RMS, 7 mV peak-to-peak Current noise: 2 mA RMS Load regulation: 1 mV (voltage), 2 mA (current) Line regulation: 0.5 mV (voltage), 2 mA (current) Response Characteristics Programming response: 15 ms rise/fall time (10–90%), 60 ms settling to 1 LSB Command processing time: 20 ms (GPIB-connected) Transient recovery: <100 µs to within 0.1% of rated voltage or 20 mV (whichever is greater) after 50% load step Resolution Voltage: 2 mV average Current: 15 mA average OVP accuracy: 160 mV Key Features GPIB (IEEE 488.2) primary interface with SCPI command compatibility Analog control inputs for voltage and current programming Daisy-chain capability: up to 16 supplies via single GPIB address VXIplug&play driver support for test system integration Fast crowbar and mode crossover protection LCD readout with fan speed control to minimize acoustic noise Input: 1,380 VA (1,100 W at full load, 120 W no-load); 47–63 Hz Physical Specifications Dimensions: 425.5 mm W × 132.6 mm H × 497.8 mm D Weight: 25 kg (net), 28 kg (shipping) Typical Applications Automated test systems, semiconductor characterization, component screening, laboratory benchtop development, and production-level functional testing requiring stable, low-noise DC power with fast transient response.

6655A Characteristics / Specifications

PARAMETER	VALUE
Number of Outputs	1
GPIB	Yes
Output Voltage	0 to 120 V
Output Current at 40 C	0 to 4 A
Maximum Current at 50 C	3.6 A
Maximum Current at 55 C	3.4 A
Maximum Power Class	500 W
Programming Accuracy Current	0.15% + 4 mA
Ripple Voltage RMS 20 Hz to 20 MHz	700 μ V
Ripple Voltage Peak to Peak	7 mV
Ripple Current RMS	2 mA
Readback Accuracy Voltage	0.07% + 80 mV
Readback Accuracy Positive Current	0.15% + 3 mA
Readback Accuracy Negative Current	0.35% + 7 mA
Load Regulation Voltage	5 mV
Load Regulation Current	0.5 mA
Line Regulation Voltage	2 mV
Line Regulation Current	0.5 mA
Average Programming Resolution Voltage	30 mV
Average Programming Resolution Current	1.25 mA
OVP Programming Resolution	190 mV
OVP Accuracy	2.4 V
Transient Response Time	Less than 100 μ s for up to 50% load step
Output Programming Rise Fall Time	Less than 15 ms (10/90% and 90/10%)

PARAMETER	VALUE
Settling Time to 1 LSB	Less than 60 ms
Command Processing Time	20 ms average
DC Floating Voltage	±240 VDC
AC Input Current at 100 VAC	12 A
AC Input Current at 120 VAC	10 A
AC Input Current at 220 VAC	5.7 A
AC Input Current at 240 VAC	5.3 A
Input Power Full Load	1380 VA, 1100 W
Input Power No Load	120 W
Size	425.5 mmWx 132.6 mmHx 497.8 mmDNet Weight: 25 kg (54 lb)
Shipping Weight	28 kg (61 lb)

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.

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Notes

Specs from Agilent 6650A Series Single-Output 500 W DC Power Supplies data sheet 5990-9305EN, 6655A column. Transient recovery within 0.1% of voltage rating or 20 mV, whichever is greater.

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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<https://aumictechlabs.com>

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.