

**Aumictech**

Test & measurement · bought, sold, repaired, calibrated

Data Sheet

August 14, 2026

AGILENT / KEYSIGHT

Agilent/Keysight 6621A DC Power Supply

HP Agilent 6621A Dual Output System DC Power Supply The Agilent 6621A is a dual-output linear GPIB system DC power supply with two 80 W low-voltage dual-range outputs. OEM operating manual Table/Figure data specify each output as 0-7 V at 0-10 A (low range) or 0-20 V at 0-4 A (high range), with series programming/readback accuracies and low ripple shared across the 6620A family. Two-rail low-voltage high-current ATE bias, linear low-noise dual supplies, and GPIB-controlled power for analog/digital boards. The Agilent 6621A is a dual-output linear GPIB system DC power supply with two 80 W low-voltage dual-range outputs. OEM operating manual Table/Figure data specify each output as 0-7 V at 0-10 A (low range) or 0-20 V at 0-4 A (high range), with series programming/readback accuracies and low ripple shared across the 6620A family. Two-rail low-voltage high-current ATE bias, linear low-noise dual supplies, and GPIB-controlled power for analog/digital boards. Two isolated 80 W low-voltage dual-range outputs



MODEL

**Agilent / Keysight
6621A**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

6621A

LISTING

<https://aumictechlabs.com/products/6621a-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Agilent/Keysight 6621A is an 80 W dual-output linear DC power supply engineered for automated test equipment (ATE) requiring precise voltage and current control. This 3U rack-mounted instrument delivers isolated outputs with dual-range capability, low-noise performance, and fast programming for reduced test cycles and improved measurement accuracy. Technical

Specifications Output Characteristics Two isolated, programmable outputs with dual-range operation Low Range: 0–7 V, 0–10 A per output High Range: 0–20 V, 0–4 A per output Outputs may be connected in parallel or series for application flexibility Total system power: 80 W

Programming and Readback Accuracy (at 25°C ±5°C) Voltage programming: $\pm 0.06\% + 19 \text{ mV}$ Current programming: $\pm 0.16\% + 100 \text{ mA}$ Voltage readback: $\pm 0.05\% + 20 \text{ mV}$ Current readback: $\pm 0.1\% + 20 \text{ mA}$ (positive); $\pm 0.2\% + 50 \text{ mA}$ (negative)

Output Quality Ripple and noise (20 Hz to 20 MHz): 500 μV rms / 3 mV peak-to-peak in constant voltage mode; 1 mA rms in constant current mode Transient response: Less than 75 μs recovery to specified limits Remote sensing compensates for up to 10 V drop per load lead

Protection and Control Programmable over-voltage and over-current protection Line and load regulation: Typically 0.01 mA

Key Features GPIB interface with SCPI command support for full remote control Voltage and current limit programming and readback over GPIB VXI Plug-and-Play drivers for simplified system integration Dual-range outputs increase test flexibility and measurement resolution Low-noise outputs minimize measurement uncertainty in sensitive circuits

Typical Applications Multi-channel automated test systems Device characterization under dual-supply conditions Series/parallel testing configurations requiring isolated outputs

Compatibility & Integration GPIB connectivity supports SH1, AH1, T6, L4, SR1, RL1, PP1, DC1, DT0, C0, and E1 protocols. Operating range: 0–55°C ambient, up to 2000 meters altitude, 95% relative humidity maximum.

Features & description

From manufacturer datasheet

Built-in measurements and GPIB control

Float ± 240 Vdc from chassis Technical Specifications Number of Outputs: 2 Output Board Type: 80 W Low Voltage each Low Range Voltage: 0 to 7 V Low Range Current: 0 to 10 A High Range Voltage: 0 to 20 V High Range Current: 0 to 4 A Voltage Programming Accuracy 80 W: 0.06% + 50 mV Current Programming Accuracy 80 W: 0.16% + 40 mA Readback Voltage Accuracy 80 W: 0.05% + 50 mV Readback Plus Current Accuracy 80 W: 0.1% + 8 mA CV Ripple RMS: 500 μ V CV Ripple Peak to Peak: 3 mV CC Ripple RMS: 1 mA Load Regulation Voltage: 2 mV Load Regulation Current 80 W: 1 mA DC Floating Voltage: ± 240 Vdc Remote Sense Drop: up to 1 V per load lead Command Processing Time: 7 ms typical display disabled Downprogram Sink: approximately 10% above source limits above 2.5 V Input Power: 550 W max, 720 VA max Size: 425.5 mmWx 132.6 mmHx 497.8 mmDNet Weight: 17.4 kg (38 lb) GPIB Capabilities: SH1, AH1, T6, L4, SR1, RL1, PP1, DC1, DT0 Maximum Low Range Program Voltage: 7.07 V Maximum High Range Program Voltage: 20.2 V Notes Range corners from Agilent 6621A-6627A Operating Manual Figure 1-1 / Table 1-1; accuracy/ripple from 6620A Series datasheet 80 W columns.

6621A Characteristics / Specifications

PARAMETER	VALUE
Number of Outputs	2
Output Board Type	80 W Low Voltage each
Low Range Voltage	0 to 7 V
Low Range Current	0 to 10 A
High Range Voltage	0 to 20 V
High Range Current	0 to 4 A
Voltage Programming Accuracy 80 W	0.06% + 50 mV
Current Programming Accuracy 80 W	0.16% + 40 mA
Readback Voltage Accuracy 80 W	0.05% + 50 mV
Readback Plus Current Accuracy 80 W	0.1% + 8 mA
CV Ripple RMS	500 μ V
CV Ripple Peak to Peak	3 mV
CC Ripple RMS	1 mA
Load Regulation Voltage	2 mV
Load Regulation Current 80 W	1 mA
DC Floating Voltage	$\pm$ 240 Vdc
Remote Sense Drop	up to 1 V per load lead
Command Processing Time	7 ms typical display disabled
Downprogram Sink	approximately 10% above source limits above 2.5 V
Input Power	550 W max, 720 VA max
Size	425.5 mmWx 132.6 mmHx 497.8 mmDNet Weight: 17.4 kg (38 lb)
GPIO Capabilities	SH1, AH1, T6, L4, SR1, RL1, PP1, DC1, DT0
Maximum Low Range Program Voltage	7.07 V
Maximum High Range Program Voltage	20.2 V

6621A Specifications

PARAMETER	VALUE
HP Agilent 6621A Dual Output System DC Power Supply	Overview
Applications	Two-rail low-voltage high-current ATE bias, linear low-noise dual supplies, and GPIB-controlled power for analog/digital boards.
Key Features	Two isolated 80 W low-voltage dual-range outputs
Technical Specifications	Number of Outputs: 2
Notes	Range corners from Agilent 6621A-6627A Operating Manual Figure 1-1 / Table 1-1; accuracy/ripple from 6620A Series datasheet 80 W columns.

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	
Technical Specifications	
PARAMETER	VALUE
Number of Outputs	2
Output Board Type	80 W Low Voltage each
Low Range Voltage	0 to 7 V
Low Range Current	0 to 10 A
High Range Voltage	0 to 20 V
High Range Current	0 to 4 A
Voltage Programming Accuracy 80 W	0.06% + 50 mV
Current Programming Accuracy 80 W	0.16% + 40 mA
Readback Voltage Accuracy 80 W	0.05% + 50 mV
Readback Plus Current Accuracy 80 W	0.1% + 8 mA
CV Ripple RMS	500 uV
CV Ripple Peak to Peak	3 mV
CC Ripple RMS	1 mA
Load Regulation Voltage	2 mV
Load Regulation Current 80 W	1 mA
DC Floating Voltage	±240 Vdc
Remote Sense Drop	up to 1 V per load lead
Command Processing Time	7 ms typical display disabled
Downprogram Sink	approximately 10% above source limits above 2.5 V
Input Power	550 W max, 720 VA max
Size	425.5 mm W x 132.6 mm H x 497.8 mm D
Net Weight	17.4 kg (38 lb)
GPIB Capabilities	SH1, AH1, T6, L4, SR1, RL1, PP1, DC1, DT0
Maximum Low Range Program Voltage	7.07 V
Maximum High Range Program Voltage	20.2 V
Specifications	

PARAMETER	VALUE
Number of Outputs	2
Output Board Type	80 W Low Voltage each
Low Range Voltage	0 to 7 V
Low Range Current	0 to 10 A
High Range Voltage	0 to 20 V
High Range Current	0 to 4 A
Voltage Programming Accuracy 80 W	0.06% + 50 mV
Current Programming Accuracy 80 W	0.16% + 40 mA
Readback Voltage Accuracy 80 W	0.05% + 50 mV
Readback Plus Current Accuracy 80 W	0.1% + 8 mA
CV Ripple RMS	500 uV
CV Ripple Peak to Peak	3 mV
CC Ripple RMS	1 mA
Load Regulation Voltage	2 mV
Load Regulation Current 80 W	1 mA
DC Floating Voltage	±240 Vdc
Remote Sense Drop	up to 1 V per load lead
Command Processing Time	7 ms typical display disabled
Downprogram Sink	approximately 10% above source limits above 2.5 V
Input Power	550 W max, 720 VA max
Size	425.5 mmWx 132.6 mmHx 497.8 mmDNet Weight: 17.4 kg (38 lb)
GPIB Capabilities	SH1, AH1, T6, L4, SR1, RL1, PP1, DC1, DT0
Maximum Low Range Program Voltage	7.07 V
Maximum High Range Program Voltage	20.2 V

Notes

Range corners from Agilent 6621A-6627A Operating Manual Figure 1-1 / Table 1-1; accuracy/ripple from 6620A Series datasheet 80 W columns.

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

788 S 500 E, Pleasant Grove, UT 84062
sales@aumictech.com · +1 (484) 841-9341
<https://aumictechlabs.com>

NIST-traceable calibration · SAM registered ·
30-day returns
NAICS 423690 · 811210 · 541380
Generated August 14, 2026

Technical content from manufacturer specifications. Unit photo/stock from Aumictech listing when available. Specifications subject to OEM documentation and unit condition.