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Data Sheet

August 14, 2026

AGILENT / KEYSIGHT

Agilent/Keysight 6622A DC Power Supply

HP Agilent 6622A Dual Output System DC Power Supply The Agilent 6622A provides two 80 W high-voltage dual-range isolated outputs. OEM manual ratings are 0-20 V at 0-4 A (low range) or 0-50 V at 0-2 A (high range) per output, with the same linear low-noise GPIB architecture as other 662xA models. Dual mid/high-voltage rails in ATE, low-noise analog bias to 50 V, and compact replacement for two separate supplies. Output Board Type: 80 W High Voltage each

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Output Board Type: 80 W High Voltage each Voltage Programming Accuracy: 0.06% + 50 mV

**MODEL****Agilent / Keysight
6622A****CALIBRATION****Available on
request****CONDITION****Used****STATUS****In stock****RFQ / SKU****6622A****LISTING**<https://aumictechlabs.com/products/6622a-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Keysight 6622A is an 80 W dual-output DC power supply engineered for automated test systems and benchtop applications. Each of its two isolated outputs operates across dual voltage and current ranges, delivering precise control with low noise and excellent regulation. GPIB programmability enables full remote automation of all power supply functions except GPIB address assignment, making integration into complex test environments straightforward. The unit excels at fast voltage and current programming, supported by an active down-programmer

capable of sinking full rated current for rapid voltage reduction without load dependency.

Technical Specifications

Output Ratings Two isolated outputs, each dual-range Low-range: 0–20 V, 0–4 A High-range: 0–50 V, 0–2 A Total output power: 80 W

Electrical Performance

Voltage programming accuracy: 0.06% + 50 mV (at 25°C ±5°C) Current programming accuracy: 0.16% + 40 mA (at 25°C ±5°C) Voltage ripple and noise (20 Hz–20 MHz): 500 µV RMS, 3 mV peak-to-peak Current ripple and noise (20 Hz–20 MHz): 1 mA RMS Remote sensing: up to 10 V drop per load lead

Power Requirements Input power: 550 W maximum, 720 VA maximum

Key Features

- Automatic dual-range output selection for both voltage and current
- Active down-programmer enables rapid voltage reduction at full rated current
- Fast programming speeds for both voltage and current parameters
- Extensive device protection including fast CV/CC crossover
- Parallel or series output connection for increased current or voltage capability
- Front panel keypad control or GPIB remote operation

Typical Applications The 6622A suits R&D benchtop testing, production test automation, device characterization, and system integration requiring isolated dual-channel power delivery with fast transient response and precise load regulation.

Compatibility & Integration Interface GPIB (IEEE 488) with full capabilities: SH1, AH1, T6, L4, SR1, RL1, PP1, DC1, DT0, C0, E1.

Physical Dimensions: 425.5 mm W × 132.6 mm H × 497.8 mm D

Weight: 17.4 kg

This product is obsolete. Keysight recommends the N6700B mainframe with 2× N6752A power modules as the replacement solution.

6622A Characteristics / Specifications

PARAMETER	VALUE
Number of Outputs	2
Output Board Type	80 W High Voltage each
Low Range Voltage	0 to 20 V
Low Range Current	0 to 4 A
High Range Voltage	0 to 50 V
High Range Current	0 to 2 A
Voltage Programming Accuracy	0.06% + 50 mV
Current Programming Accuracy	0.16% + 40 mA
Readback Voltage Accuracy	0.05% + 50 mV
Readback Plus Current Accuracy	0.1% + 8 mA
Readback Minus Current Accuracy	0.2% + 20 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	1 mA
Load Cross Regulation Voltage	2.5 mV
DC Floating Voltage	$\pm$ 240 Vdc
Command Processing Time	7 ms typical
Input Power	550 W max, 720 VA max
Size	425.5 mmWx 132.6 mmHx 497.8 mmDNet Weight: 17.4 kg (38 lb)
Maximum Low Range Program Voltage	20.2 V
Maximum High Range Program Voltage	50.5 V
Remote Sense	up to 1 V per lead

6622A Specifications

PARAMETER	VALUE
HP Agilent 6622A Dual Output System DC Power Supply	Overview
Applications	Dual mid/high-voltage rails in ATE, low-noise analog bias to 50 V, and compact replacement for two separate supplies.
Key Features	Two 80 W high-voltage dual-range outputs
Active downprogramming	GPIB readback and protection features
Technical Specifications	Number of Outputs: 2
Notes	Range corners from Agilent 6621A-6627A Operating Manual; accuracy from 6620A Series datasheet.

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	
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Current Programming Accuracy	0.16% + 40 mA
Readback Voltage Accuracy	0.05% + 50 mV
Readback Plus Current Accuracy	0.1% + 8 mA
Readback Minus Current Accuracy	0.2% + 20 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	1 mA
Load Cross Regulation Voltage	2.5 mV
DC Floating Voltage	±240 Vdc
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Notes

Range corners from Agilent 6621A-6627A Operating Manual; accuracy from 6620A Series datasheet.

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.