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Data Sheet

August 7, 2026

KEYSIGHT / AGILENT

Keysight (Agilent) 6612A DC Power Supply, 20 V, 2 A, 40 W, Programmable

Keysight (Agilent) 6612A DC Power Supply, 20 V, 2 A, 40 W, Programmable The HP/Agilent/Keysight 6612A is a single-output programmable system DC power supply delivering 0–20 V at 0–2 A (40 W). GPIB (IEEE-488) remote control with CV/CC operation, digital metering, and protection features for bench and ATE bias applications. Later successors in the family include 6612B/6612C with refined measurement/interface options. Device bias and characterization; automated test power; general lab programmable DC source at 40 W. The HP/Agilent/Keysight 6612A is a single-output programmable system DC power supply delivering 0–20 V at 0–2 A (40 W). GPIB (IEEE-488) remote control with CV/CC operation, digital metering, and protection features for bench and ATE bias applications. Later successors in the family include 6612B/6612C with refined measurement/interface options. Device bias and characterization; automated test power; general lab programmable DC source at 40 W.



MODEL

**Keysight / Agilent
6612A**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

6612A

LISTING

<https://aumictechlabs.com/products/6612a-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Keysight (Agilent) 6612A is a programmable single-output DC power supply engineered for benchtop and system-integrated applications requiring stable, precise power delivery. Operating from 0 to 20 V at up to 2 A, It has 40 W of output power with low noise characteristics suitable for

sensitive electronics. Remote programming via GPIB (IEEE-488), RS-232, and SCPI command sets enables automated test environments and integration into larger measurement systems. Front panel operation supports manual voltage and current adjustment alongside menu-driven parameter configuration.

Technical Specifications

Output Power: 40 W Output Voltage: 0 to 20 V Output Current: 0 to 2 A Programming Accuracy (25°C ±5°C): Voltage ±10 mV; Current ±0.05% + 1 mA Interfaces: GPIB (IEEE-488), RS-232, SCPI Form Factor: Half-rack, compact design Input Power: AC mains connection with protective earth terminal Safety Classification: Safety Class I Calibration Traceability: United States National Bureau of Standards

Key Features

- Single output channel with independent voltage and current control
- Built-in microamp measurement system for real-time output voltage and current monitoring
- Stored state programming for repeatable test sequences
- Status reporting capabilities for system diagnostics
- Front panel and remote control operation modes
- Low-noise design for applications involving precision circuits and sensitive devices

Typical Applications

- Automated test and measurement environments requiring programmatic power control
- Laboratory benchtop use for device characterization and validation
- System integration requiring remote DC power management
- Research and development involving low-noise power delivery

Compatibility & Integration

The 6612A accepts SCPI commands and integrates into GPIB-based test systems via IEEE-488 connectivity. RS-232 support enables serial communication with legacy and modern instruments. Calibration is traceable to national standards, ensuring measurement confidence in production and quality assurance workflows.

Features & description

From manufacturer datasheet

Features

- Output: 0 to 20 V; 0 to 2 A; 40 W max
- Mode: constant voltage / constant current (CV/CC)
- Interface: GPIB (IEEE-488) programmable
- Programming accuracy (cited for 6612A): $\pm 0.04\% + 2 \text{ mV}$ class
- Readback accuracy (cited for 6612A): $\pm 0.04\% + 2 \text{ mV}$ class
- Load regulation: $< 0.01\% + 2 \text{ mV}$ class
- Line regulation: $< 0.01\% + 2 \text{ mV}$ class
- Ripple and noise (cited for 6612A): $< 350 \mu\text{Vrms}$; $< 2 \text{ mVpp}$
- Protection: overvoltage and overcurrent protection
- Form factor: compact benchtop/system module; $\sim 213 \times 108 \times 360 \text{ mm}$; $\sim 4.5 \text{ kg}$ class
- Display: digital voltage and current readouts
- Related: 6612B / 6612C successors (C adds refined ripple specs $\sim 0.5 \text{ mVrms}$ / 3 mVpp and dual interfaces on some configs)

6612A Characteristics / Specifications

PARAMETER	VALUE
Model	6612A
Manufacturer	Keysight Technologies (Agilent / HP)
Instrument Type	Programmable DC Power Supply
Family	6612 Series
Alias	6612A; Agilent 6612A; HP 6612A Output 0–20 V; 0–2 A; 40 W; GPIB; CV/CC Operational Notes Prefer HP/Agilent 6612A operating/programming manual for serial-prefix-specific limits. Do not mix A-unit ripple/accuracy with 6612C datasheet figures without checking the faceplate model.
Output	0 to 20 V; 0 to 2 A; 40 W max
Mode	constant voltage / constant current (CV/CC)
Interface	GPIB (IEEE-488) programmable
Programming accuracy (cited for 6612A)	±0.04% + 2 mV class
Readback accuracy (cited for 6612A)	±0.04% + 2 mV class
Load regulation	<0.01% + 2 mV class
Line regulation	<0.01% + 2 mV class
Ripple and noise (cited for 6612A)	<350 µVrms; <2 mVpp
Protection	overvoltage and overcurrent protection
Form factor	compact benchtop/system module; ~213 × 108 × 360 mm; ~4.5 kg class
Display	digital voltage and current readouts
Related	6612B / 6612C successors (C adds refined ripple specs ~0.5 mVrms / 3 mVpp and dual interfaces on some configs)

6612A Specifications

PARAMETER	VALUE
Applications	Device bias and characterization; automated test power; general lab programmable DC source at 40 W.
Key Features	- Output: 0 to 20 V; 0 to 2 A; 40 W max
Technical Specifications	Model: 6612A

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
Model	6612A
Manufacturer	Keysight Technologies (Agilent / HP)
Instrument Type	Programmable DC Power Supply
Family	6612 Series
Alias	6612A; Agilent 6612A; HP 6612A

Output

0-20 V; 0-2 A; 40 W; GPIB; CV/CC

Operational Notes

Prefer HP/Agilent 6612A operating/programming manual for serial-prefix-specific limits. Do not mix A-unit ripple/accuracy with 6612C datasheet figures without checking the faceplate model.

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.