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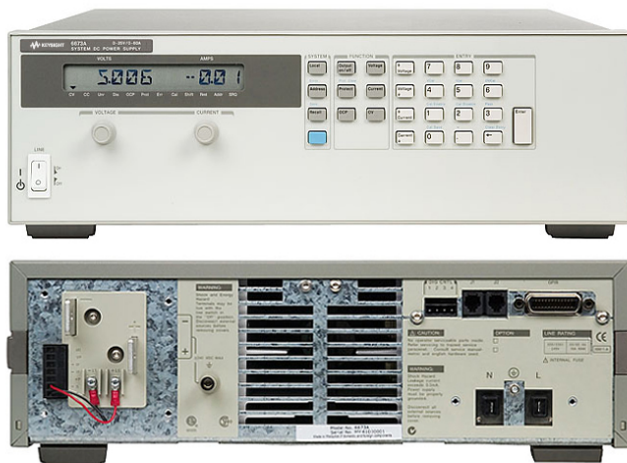
**Data Sheet**

August 14, 2026

AGILENT / KEYSIGHT

# Agilent/Keysight 6674A DC Power Supply

HP Agilent 6674A Single-Output 2000 W System DC Power Supply The Agilent 6674A is a single-output 2000 W class GPIB DC power supply in the 6670A series. OEM datasheet ratings are 60 V / 35 A, combining high efficiency with low ripple for accurate built-in voltage and current measurements. High-power ATE rack bias, base-station and power-electronics manufacturing test, and multi-supply serial-link systems sharing one GPIB address at up to 2000 W per unit. Analog control of output voltage and current The Agilent 6674A is a single-output 2000 W class GPIB DC power supply in the 6670A series. OEM datasheet ratings are 60 V / 35 A, combining high efficiency with low ripple for accurate built-in voltage and current measurements. High-power ATE rack bias, base-station and power-electronics manufacturing test, and multi-supply serial-link systems sharing one GPIB address at up to 2000 W per unit. Analog control of output voltage and current Fan-speed control to minimize acoustic noise



MODEL

**Agilent / Keysight  
6674A**

CALIBRATION

**Available on  
request**

CONDITION

**Used**

STATUS

**In stock**

RFQ / SKU

**6674A**

LISTING

<https://aumictechlabs.com/products/6674a-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

## This unit

The Agilent/Keysight 6674A is a 2000-watt single-output DC power supply engineered for test and measurement applications demanding stable, reliable power delivery. It delivers 0–60 V and 0–35 A with exceptional programming accuracy and ultra-low ripple and noise, making it ideal for precision circuit testing, component characterization, and automated test systems. Technical Specifications Output: 0–60 V, 0–35 A (at 40°C). Programming accuracy:  $\pm 0.04\%$  + 60 mV

(voltage) and  $\pm 0.1\% + 25 \text{ mA}$  (current) at  $25^\circ\text{C} \pm 5^\circ\text{C}$ . Ripple and noise (20 Hz to 20 MHz) measures 1.25 mV RMS / 11 mV peak-to-peak for voltage, and 25 mA RMS for current. Autoranging operation supported. Input: Operates on 200–230 VAC or 174–220 VAC (47–63 Hz) depending on configuration. Japan-specific 174–220 VAC option available. Operating temperature range per product manual. Interface: GPIB with SCPI programming support. Analog control for voltage and current. Serial link enables connection of up to 16 supplies at a single GPIB address. VXIplug&play drivers supported.

**Key Features**

- Fast up and down programming for dynamic test scenarios
- Low ripple and noise output ensures measurement accuracy
- High efficiency power conversion
- Fan-speed control minimizes acoustic noise
- Built-in voltage and current measurement capability
- Programmable over-voltage and over-current protection
- Over-temperature protection with discrete fault indicator/remote inhibit (DFI/RI)
- Power-on self-test (initiable via GPIB)
- User-configurable power-on state
- Auto-parallel support for up to five units
- Series connection capability
- LCD display

Approximately 24 lbs; compact benchtop or rack-mount form factor

**Typical Applications**

Automated test systems, component screening, circuit validation, power conversion testing, and laboratory power delivery requiring precise control and low noise.

**Compatibility & Integration**

Rack mount kits available (Part Numbers 908, 909). Multiple line cord options (NEMA 6-20P, IEC 309) for global deployment. GPIB integration with legacy and modern test platforms via SCPI command set and VXIplug&play drivers.

## Features & description

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From manufacturer datasheet

### Built-in measurements and programmable protection features

VXIplug&play and IVI-COM drivers Technical Specifications Number of Outputs: 1 GPIB: Yes Output Voltage: 0 to 60 V Output Current: 0 to 35 A Maximum Power Class: 2000 W Programming Accuracy Voltage  $25 \pm 5$  C: 0.04% + 60 mV Programming Accuracy Current: 0.1% + 25 mA Ripple Voltage RMS 20 Hz to 20 MHz: 1.25 mV Ripple Voltage Peak to Peak: 11 mV Ripple Current RMS: 25 mA Readback Accuracy Voltage: 0.05% + 90 mV Readback Accuracy Current: 0.1% + 35 mA Load and Line Regulation Voltage: 0.002% + 2 mV Load and Line Regulation Current: 0.005% + 2 mA Average Programming Resolution Voltage: 15 mV Average Programming Resolution Current: 8.75 mA OVP Programming Resolution: 100 mV Output Voltage Programming Response Time Full Load: 130 ms Transient Response Time: Less than 900  $\mu$ s to within 100 mV for 50% load step Command Processing Time: 20 ms average DC Floating Voltage:  $\pm 240$  VDC Common Mode Noise Current RMS: 500  $\mu$ A Common Mode Noise Current Peak to Peak: 4 mA Analog Programming Voltage Input: 0 to -4 V Analog Programming Current Input: 0 to 7 V Analog Programming Input Impedance: 60 k $\Omega$ m or greater Input Power Full Load: 3800 VA, 2600 W Input Power No Load: 170 W Size: 425.5 mmWx 132.6 mmHx 640 mmDNet Weight: 28.2 kg (62 lb)

## 6674A Characteristics / Specifications

| PARAMETER                                          | VALUE                                               |
|----------------------------------------------------|-----------------------------------------------------|
| Number of Outputs                                  | 1                                                   |
| GPIO                                               | Yes                                                 |
| Output Voltage                                     | 0 to 60 V                                           |
| Output Current                                     | 0 to 35 A                                           |
| Maximum Power Class                                | 2000 W                                              |
| Programming Accuracy Current                       | 0.1% + 25 mA                                        |
| Ripple Voltage RMS 20 Hz to 20 MHz                 | 1.25 mV                                             |
| Ripple Voltage Peak to Peak                        | 11 mV                                               |
| Ripple Current RMS                                 | 25 mA                                               |
| Readback Accuracy Voltage                          | 0.05% + 90 mV                                       |
| Readback Accuracy Current                          | 0.1% + 35 mA                                        |
| Load and Line Regulation Voltage                   | 0.002% + 2 mV                                       |
| Load and Line Regulation Current                   | 0.005% + 2 mA                                       |
| Average Programming Resolution Voltage             | 15 mV                                               |
| Average Programming Resolution Current             | 8.75 mA                                             |
| OVP Programming Resolution                         | 100 mV                                              |
| Output Voltage Programming Response Time Full Load | 130 ms                                              |
| Transient Response Time                            | Less than 900 us to within 100 mV for 50% load step |
| Command Processing Time                            | 20 ms average                                       |
| DC Floating Voltage                                | ±240 VDC                                            |
| Common Mode Noise Current RMS                      | 500 uA                                              |
| Common Mode Noise Current Peak to Peak             | 4 mA                                                |
| Analog Programming Voltage Input                   | 0 to -4 V                                           |

| PARAMETER                          | VALUE                                                    |
|------------------------------------|----------------------------------------------------------|
| Analog Programming Current Input   | 0 to 7 V                                                 |
| Analog Programming Input Impedance | 60 kOhm or greater                                       |
| Input Power Full Load              | 3800 VA, 2600 W                                          |
| Input Power No Load                | 170 W                                                    |
| Size                               | 425.5 mmWx 132.6 mmHx 640 mmDNet Weight: 28.2 kg (62 lb) |
| Shipping Weight                    | 31.8 kg (70 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.

| Specifications                                                                                                                                  |                                                     |
|-------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------|
| Specifications                                                                                                                                  |                                                     |
| PARAMETER                                                                                                                                       | VALUE                                               |
| Number of Outputs                                                                                                                               | 1                                                   |
| GPiB                                                                                                                                            | Yes                                                 |
| Output Voltage                                                                                                                                  | 0 to 60 V                                           |
| Output Current                                                                                                                                  | 0 to 35 A                                           |
| Maximum Power Class                                                                                                                             | 2000 W                                              |
| Programming Accuracy Voltage 25±5 C: 0.04% + 60 mV<br>Programming Accuracy Current: 0.1% + 25 mA<br>Ripple Voltage RMS 20 Hz to 20 MHz: 1.25 mV |                                                     |
| Specifications                                                                                                                                  |                                                     |
| PARAMETER                                                                                                                                       | VALUE                                               |
| Ripple Voltage Peak to Peak                                                                                                                     | 11 mV                                               |
| Ripple Current RMS                                                                                                                              | 25 mA                                               |
| Readback Accuracy Voltage                                                                                                                       | 0.05% + 90 mV                                       |
| Readback Accuracy Current                                                                                                                       | 0.1% + 35 mA                                        |
| Load and Line Regulation Voltage                                                                                                                | 0.002% + 2 mV                                       |
| Load and Line Regulation Current                                                                                                                | 0.005% + 2 mA                                       |
| Average Programming Resolution Voltage                                                                                                          | 15 mV                                               |
| Average Programming Resolution Current                                                                                                          | 8.75 mA                                             |
| OVP Programming Resolution                                                                                                                      | 100 mV                                              |
| Output Voltage Programming Response Time Full Load                                                                                              | 130 ms                                              |
| Transient Response Time                                                                                                                         | Less than 900 us to within 100 mV for 50% load step |
| Command Processing Time                                                                                                                         | 20 ms average                                       |
| DC Floating Voltage                                                                                                                             | ±240 VDC                                            |
| Common Mode Noise Current RMS                                                                                                                   | 500 uA                                              |
| Common Mode Noise Current Peak to Peak                                                                                                          | 4 mA                                                |
| Analog Programming Voltage Input                                                                                                                | 0 to -4 V                                           |

| PARAMETER                          | VALUE                                                    |
|------------------------------------|----------------------------------------------------------|
| Analog Programming Current Input   | 0 to 7 V                                                 |
| Analog Programming Input Impedance | 60 kOhm or greater                                       |
| Input Power Full Load              | 3800 VA, 2600 W                                          |
| Input Power No Load                | 170 W                                                    |
| Size                               | 425.5 mmWx 132.6 mmHx 640 mmDNet Weight: 28.2 kg (62 lb) |
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#### Notes

Specs from Agilent 6670A Series Single-Output 2000 W DC Power Supplies data sheet 5990-9306EN, 6674A column. Programming response time is full-load 10/90% rise/fall excluding command processing.

### Available from Aumictech

Used and refurbished unit evaluated in-house. Calibration: Available on request. Used · In stock.

Request a quote: [sales@aumictech.com](mailto:sales@aumictech.com) · +1 (484) 841-9341

#### Aumictech

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<https://aumictechlabs.com>

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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.