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Data Sheet

August 14, 2026

AGILENT / KEYSIGHT

Agilent/Keysight 6673A DC Power Supply

HP Agilent 6673A Single-Output 2000 W System DC Power Supply The Agilent 6673A is a single-output 2000 W class GPIB DC power supply in the 6670A series. OEM datasheet ratings are 35 V / 60 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 6673A is a single-output 2000 W class GPIB DC power supply in the 6670A series. OEM datasheet ratings are 35 V / 60 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
6673A**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

6673A

LISTING

<https://aumictechlabs.com/products/6673a-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Agilent/Keysight 6673A is a 2000W, single-output DC power supply, designed for reliable and precise power delivery in demanding test and measurement applications. It has a combination of high efficiency and low noise operation, making it suitable for research, development, and manufacturing environments where stable and accurate power is critical. The 6673A features programmable voltage and current with readback capabilities, and can be controlled via its

internal GPIB interface using SCPI commands, or through analog control signals. Its design prioritizes reliability and aims to maximize test throughput. Technical Specifications Output Ratings Number of Outputs: 1 Output Voltage: 0 to 35 V Output Current (at 40°C): 0 to 60 A Total Power: 2100 Watts or 2000 Watts (Note: Multiple sources indicate 2000W, with one source specifying 2100W. This indicates the nominal power rating.) Performance Specifications Line Regulation: HP-IB -2mA Load Regulation: V/C 800 μ V - 40 mA Programming Accuracy (at 25°C $\pm$ 5°C): * Voltage: 0.04% + 35 mV * Current: 0.1% + 40 mA Readback Accuracy (at 25°C): * Voltage: 0.05% + 50 mV * Current: 0.1% + 60 mA Ripple & Noise (from 20 Hz to 20 MHz): * Voltage RMS: 800 μ V * Voltage Peak-to-Peak: 9 mV * Current RMS: 40 mA Programming Response Time (Output Voltage Programming): * Excluding command processing time: * 6671A: 30 ms * 6672A: 60 ms * 6673A: 130 ms * 6674A: 130 ms * 6675A: 195 ms * Full load programming rise/fall time (10% to 90% or 90% to 10%) with full resistive load equal to rated output voltage/rated output current. Average Programming Resolution Voltage: * 6671A: 2 mV * 6672A: 5 mV * 6673A: 10 mV * 6674A: 15 mV * 6675A: 30 mV Current: * 6671A: 55 mA * 6672A: 25 mA * 6673A: 35 mA * 6674A: 15 mA * 6675A: 8.75 mA OVP (Over Voltage Protection): * 6671A: 15 mV * 6672A: 35 mV * 6673A: 65 mV * 6674A: 100 mV * 6675A: 215 mV Features Control: Programmable voltage and current via front panel or GPIB (SCPI commands). Analog control of output voltage and current is also supported. Readback: Measured voltage and current readback over GPIB. Connectivity: Internal GPIB interface. Serial link allows connection of up to 16 units to a single GPIB address. VXI plug&play drivers are available for simplified test system integration. Protection: Overvoltage and overcurrent protection features. Noise Reduction: Fan-speed control to minimize acoustic noise during lab-bench use. Operation Modes: Auto-parallel and series operation capabilities. Display: LCD display. Compliance: UL listed, CSA certified. Note: This model is noted as obsolete in some regions due to RoHS directive compliance. Interfaces * Primary Interface: GPIB (IEEE 488) with SCPI programming support. Secondary Interface: Analog control inputs for voltage and current. System Integration: Serial link for multi-unit control. Physical * Dimensions: Not explicitly detailed in the provided search results, but often supplied with rack mounts and handles for system integration. Cooling: Fan-speed control for acoustic noise management. Safety and Compliance * Safety Standards: Safety Class 1 instrument, requiring connection to protective earth ground. Operational Precautions: * Ensure correct line voltage setting and fuse installation before powering on. * Do not operate in the presence of flammable gases or fumes. * Servicing and internal adjustments should be performed by qualified personnel only. * Use only specified fuses; do not use repaired fuses or short-circuited fuseholders. * Grounding precautions must be strictly followed to prevent shock hazards. Environmental Considerations: Designed for indoor use, typically within an installation category II environment, with a maximum relative humidity of 95% and altitudes up to 2000 meters. Resources The following resources are available and may provide further technical details: Application Notes Technical Overviews Reference Guides Data Sheets Service Manuals User Manuals Why Choose Aumictech for Agilent/Keysi

Features & description

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 35 V Output Current: 0 to 60 A Maximum Power Class: 2000 W Programming Accuracy Voltage 25 ± 5 C: 0.04% + 35 mV Programming Accuracy Current: 0.1% + 40 mA Ripple Voltage RMS 20 Hz to 20 MHz: 800 μ V Ripple Voltage Peak to Peak: 9 mV Ripple Current RMS: 40 mA Readback Accuracy Voltage: 0.05% + 50 mV Readback Accuracy Current: 0.1% + 60 mA Load and Line Regulation Voltage: 0.002% + 1.2 mV Load and Line Regulation Current: 0.005% + 4 mA Average Programming Resolution Voltage: 10 mV Average Programming Resolution Current: 15 mA OVP Programming Resolution: 65 mV Output Voltage Programming Response Time Full Load: 130 ms Transient Response Time: Less than 900 μ s 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 μ 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 Ω 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)

6673A Characteristics / Specifications

PARAMETER	VALUE
Number of Outputs	1
GPIO	Yes
Output Voltage	0 to 35 V
Output Current	0 to 60 A
Maximum Power Class	2000 W
Programming Accuracy Current	0.1% + 40 mA
Ripple Voltage RMS 20 Hz to 20 MHz	800 μ V
Ripple Voltage Peak to Peak	9 mV
Ripple Current RMS	40 mA
Readback Accuracy Voltage	0.05% + 50 mV
Readback Accuracy Current	0.1% + 60 mA
Load and Line Regulation Voltage	0.002% + 1.2 mV
Load and Line Regulation Current	0.005% + 4 mA
Average Programming Resolution Voltage	10 mV
Average Programming Resolution Current	15 mA
OVP Programming Resolution	65 mV
Output Voltage Programming Response Time Full Load	130 ms
Transient Response Time	Less than 900 μ 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 μ A
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 35 V
Output Current	0 to 60 A
Maximum Power Class	2000 W
Programming Accuracy Voltage 25±5 C: 0.04% + 35 mV Programming Accuracy Current: 0.1% + 40 mA Ripple Voltage RMS 20 Hz to 20 MHz: 800 uV	
Specifications	
PARAMETER	VALUE
Ripple Voltage Peak to Peak	9 mV
Ripple Current RMS	40 mA
Readback Accuracy Voltage	0.05% + 50 mV
Readback Accuracy Current	0.1% + 60 mA
Load and Line Regulation Voltage	0.002% + 1.2 mV
Load and Line Regulation Current	0.005% + 4 mA
Average Programming Resolution Voltage	10 mV
Average Programming Resolution Current	15 mA
OVP Programming Resolution	65 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, 6673A 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 · +1 (484) 841-9341

Aumictech

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NIST-traceable calibration · SAM registered ·
30-day returns
NAICS 423690 · 811210 · 541380
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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.