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Data Sheet

August 14, 2026

AGILENT / KEYSIGHT

Agilent/Keysight 6574A DC Power Supply

Agilent 6574A Analog Programmable DC Power Supply 0 to 60 V 0 to 35 A The Agilent/HP 6574A is a single-output analog-programmable DC power supply. OEM Series 654xA/655xA/657xA operating manual rates 0 to 60 V and 0 to 35 A (2000 W). Manufacturing and R&D DC rails with analog programming, OVP, and local/remote sensing. Auto-parallel of identical models on 2000 W class The Agilent/HP 6574A is a single-output analog-programmable DC power supply. OEM Series 654xA/655xA/657xA operating manual rates 0 to 60 V and 0 to 35 A (2000 W). Manufacturing and R&D DC rails with analog programming, OVP, and local/remote sensing. Auto-parallel of identical models on 2000 W class Instrument Type: Analog programmable DC power supply



MODEL Agilent / Keysight 6574A	CALIBRATION Available on request
CONDITION Used	STATUS In stock
RFQ / SKU 6574A	LISTING https://aumictechlabs.com/products/6574a-2/

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Agilent/Keysight 6574A is a single-output DC power supply delivering up to 2000 W across a 0–60 V, 0–35 A output range. Engineered for production test, design validation, and laboratory environments, it combines programming accuracy with low noise performance and rapid response times to minimize test cycle duration. The supply operates in both constant voltage and constant current modes with integrated protection for load safety. Technical Specifications Output Ratings Voltage: 0 to 60 V Current: 0 to 35 A Maximum Power: 2000 W (2.1 kW) Output Ratings (40°C): 0–60 V, 0–35 A Accuracy and Noise Programming Accuracy (25°C ±5°C): Voltage 0.04%

+ 60 mV; Current 0.1% + 25 mA Ripple & Noise (20 Hz–20 MHz): Voltage RMS 1.25 mV, Peak-to-Peak 11 mV; Current RMS 25 mA Programming Rise/Fall Time: 30 ms (full load, 10–90% or 90–10%) Environmental Operating Temperature: 0 to 55°C (resistive load, local sensing) Relative Humidity: 95% maximum Altitude: 2000 m maximum

Key Features Over-voltage protection (OVP) safeguards the device under test Constant voltage/constant current (CV/CC) mode crossover Remote sensing capability up to half the rated output voltage per load lead Dual front-panel and analog programming control Fan-speed regulation reduces acoustic noise Low noise output (1.25 mV RMS, 11 mV peak-to-peak)

Typical Applications Production test environments, design validation workflows, and general laboratory bench use requiring stable, precision DC power delivery with rapid transient response and integrated device protection.

Compatibility & Integration Form Factor: Benchtop or rack-mountable (requires optional Rack Mount Kit 908 or 909 with handles) AC Input Options: 100 VAC (87–106 VAC, 47–63 Hz), 240 VAC (209–250 VAC, 47–63 Hz), or three-phase 831 (200–400 VAC) with multiple connector configurations available.

6574A Characteristics / Specifications

PARAMETER	VALUE
Instrument Type	Analog programmable DC power supply
Series Family	Agilent 654xA 655xA 657xA
Number of Outputs	1
GPIO Interface	No
Output Voltage Rating	0 to 60 V
Output Current Rating	0 to 35 A
Maximum Power Class	2000 W
Current Derating	1 percent perCfrom 40 C to 55 C where stated
Programming Accuracy Voltage 25 C	0.06 percent plus 26 mV class
Programming Accuracy Current	0.14 to 0.15 percent plus mA class per 657 table
Ripple Noise Voltage RMS 20 Hz to 20 MHz	500 uV class
Ripple Noise Voltage Peak Peak	5 mV class
Ripple Noise Current RMS	mA class
Readback Accuracy Voltage	0.07 percent plus 40 mV class
Readback Accuracy Positive Current	0.15 percent plus mA class
Transient Response Time	less than 100 us for up to 50 percent load step (654/655); less than 900 us to within 100 mV (657)
DC Floating Voltage	plus or minus 240 Vdc
Remote Sensing	yes
Overvoltage Protection	programmable
Analog Programming VP IP	yes
Current Monitor IM	yes
AC Input	100/120/220/230/240 Vac selectable class
Size Class	2000 W chassis
Operating Temperature	0 to 55 C warranted with resistive load

6574A Specifications

PARAMETER	VALUE
Applications	Manufacturing and R&D DC rails with analog programming, OVP, and local/remote sensing.
Key Features	Analog voltage and current programming
Technical Specifications	Instrument Type: Analog programmable DC power supply
Notes	Agilent 657xA OM Table 1-2a: 6574A 0-60 V / 0-35 A.

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Operating temperature	0 to 55 C warranted with resistive load
Operating Temperature	0 to 55 C warranted with resistive load

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	
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PARAMETER	VALUE
Instrument Type	Analog programmable DC power supply
Series Family	Agilent 654xA 655xA 657xA
Number of Outputs	1
GPiB Interface	No
Output Voltage Rating	0 to 60 V
Output Current Rating	0 to 35 A
Maximum Power Class	2000 W
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Programming Accuracy Current	0.14 to 0.15 percent plus mA class per 657 table
Ripple Noise Voltage RMS 20 Hz to 20 MHz: 500 uV class	
Specifications	
PARAMETER	VALUE
Ripple Noise Voltage Peak Peak	5 mV class
Ripple Noise Current RMS	mA class
Readback Accuracy Voltage	0.07 percent plus 40 mV class
Readback Accuracy Positive Current	0.15 percent plus mA class
Transient Response Time	less than 100 us for up to 50 percent load step (654/655); less than 900 us to within 100 mV (657)
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PARAMETER

VALUE

Operating Temperature

0 to 55 C warranted with resistive load

Notes

Agilent 657xA OM Table 1-2a: 6574A 0-60 V / 0-35 A.

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.