

**Aumictech**

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Data Sheet

August 14, 2026

AGILENT / KEYSIGHT

Agilent/Keysight 6543A DC Power Supply

Agilent 6543A Analog Programmable DC Power Supply 0 to 35 V 0 to 6 A The Agilent/HP 6543A is a single-output analog-programmable DC power supply. OEM Series 654xA/655xA/657xA operating manual rates 0 to 35 V and 0 to 6 A (200 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 6543A is a single-output analog-programmable DC power supply. OEM Series 654xA/655xA/657xA operating manual rates 0 to 35 V and 0 to 6 A (200 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
6543A**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

6543A

LISTING

<https://aumictechlabs.com/products/6543a-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

This unit Agilent / Keysight 6543A — Repair & Calibration Service Aumictech offers NIST-traceable calibration and repair for the Agilent / Keysight 6543A. All calibrations are performed to NIST-traceable standards and ship with a certificate. Turnaround is typically 1–3 business days after receipt. Standard Cal Pass/fail cert + NIST sticker Cal with Data Full NIST cert with measured values Request Calibration → Request Repair Quote → Agilent / Keysight 6543A price This

6543A 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 35 V
Output Current Rating	0 to 6 A
Maximum Power Class	200 W
Current Derating	1 percent perCfrom 40 C to 55 C where stated
Programming Accuracy Voltage 25 C	0.06 percent plus 15 mV
Programming Accuracy Current	0.14 to 0.15 percent plus 7 mA
Ripple Noise Voltage RMS 20 Hz to 20 MHz	400 uV
Ripple Noise Voltage Peak Peak	4 mV
Ripple Noise Current RMS	3 mA
Readback Accuracy Voltage	0.07 percent plus 25 mV
Readback Accuracy Positive Current	0.15 percent plus 6.7 mA
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	200 W chassis
Operating Temperature	0 to 55 C warranted with resistive load

6543A 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 654xA/655xA OM Table 1-1a column 6543A.

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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Specifications	
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PARAMETER	VALUE
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Notes Agilent 654xA/655xA OM Table 1-1a column 6543A.	

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

788 S 500 E, Pleasant Grove, UT 84062
sales@aumictech.com · +1 (484) 841-9341
<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.