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Data Sheet

August 14, 2026

AGILENT / KEYSIGHT

Agilent/Keysight 6551A DC Power Supply

Agilent 6551A Analog Programmable DC Power Supply 0 to 8 V 0 to 50 A The Agilent/HP 6551A is a single-output analog-programmable DC power supply. OEM Series 654xA/655xA/657xA operating manual rates 0 to 8 V and 0 to 50 A (500 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 6551A is a single-output analog-programmable DC power supply. OEM Series 654xA/655xA/657xA operating manual rates 0 to 8 V and 0 to 50 A (500 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
6551A**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

6551A

LISTING

<https://aumictechlabs.com/products/6551a-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Agilent/Keysight 6551A is It delivers consistent results, ensuring quality and efficiency in testing processes. Its durable construction ensures longevity, making it a valuable asset in any lab or field setting.

6551A 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 8 V
Output Current Rating	0 to 50 A
Maximum Power Class	500 W
Current Derating	1 percent perCfrom 40 C to 55 C where stated
Programming Accuracy Voltage 25 C	0.06 percent plus 5 mV
Programming Accuracy Current	0.14 to 0.15 percent plus 60 mA
Ripple Noise Voltage RMS 20 Hz to 20 MHz	300 uV
Ripple Noise Voltage Peak Peak	3 mV
Ripple Noise Current RMS	25 mA
Readback Accuracy Voltage	0.07 percent plus 6 mV
Readback Accuracy Positive Current	0.15 percent plus 67 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	500 W chassis
Operating Temperature	0 to 55 C warranted with resistive load

6551A 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 6551A.

General Specifications & Supplementary Characteristics

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

Agilent 654xA/655xA OM Table 1-1a column 6551A.

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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<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.