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Data Sheet

August 14, 2026

AGILENT / KEYSIGHT

Agilent/Keysight 6575A DC Power Supply

Agilent 6575A Analog Programmable DC Power Supply 0 to 120 V 0 to 18 A The Agilent/HP 6575A is a single-output analog-programmable DC power supply. OEM Series 654xA/655xA/657xA operating manual rates 0 to 120 V and 0 to 18 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 6575A is a single-output analog-programmable DC power supply. OEM Series 654xA/655xA/657xA operating manual rates 0 to 120 V and 0 to 18 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
6575A**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

6575A

LISTING

<https://aumictechlabs.com/products/6575a-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Agilent/Keysight 6575A is a 2 kW programmable DC power supply engineered for precision test, design validation, and manufacturing environments. It delivers 0–120 V and 0–18 A with exceptionally low noise and fast transient recovery, supporting both front-panel and analog programming modes alongside remote sensing and parallel/series operation for extended capability. Technical Specifications Output Ratings Voltage: 0 to 120 V Current: 0 to 18 A Maximum Power: 2000 W at 40°C Programming Accuracy (25°C ±5°C) Voltage: 0.04% + 120 mV Current: 0.1% + 12 mA Ripple and Noise (20 Hz to 20 MHz) Voltage RMS: 1.9 mV Voltage Peak-to-Peak: 16

mV Current RMS: 12 mA Line and Load Regulation Voltage: 0.002% + 300 μ V Transient Response Recovery: <900 μ s for 100 mV excursion on 100%–50% or 50%–100% load step Full-load programming: 30–195 ms (10% to 90% rise/fall with resistive load) Operating Temperature: 0 to 55°C Key Features Front-panel and analog programming control Remote sensing supports $\pm$ 50% rated output voltage drop per load lead Auto-parallel and series operation modes Overvoltage and overcurrent protection with CV/CC mode crossover Fast programmable up/down control with noise-optimized fan speed management UL Listed and CSA Certified; Safety Class 1 with protective earth terminal Benchtop and rack-mountable configurations Typical Applications Electronic design and prototype testing, component qualification, manufacturing test stations, and research environments demanding stable, precise DC power with minimal ripple and rapid load-transient settling.

6575A 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 120 V
Output Current Rating	0 to 18 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 51 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	700 uV class
Ripple Noise Voltage Peak Peak	7 mV class
Ripple Noise Current RMS	mA class
Readback Accuracy Voltage	0.07 percent plus 80 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

6575A 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: 6575A 0-120 V / 0-18 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	
Specifications	
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 120 V
Output Current Rating	0 to 18 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 51 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: 700 uV class	
Specifications	
PARAMETER	VALUE
Ripple Noise Voltage Peak Peak	7 mV class
Ripple Noise Current RMS	mA class
Readback Accuracy Voltage	0.07 percent plus 80 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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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

PARAMETER

VALUE

Operating Temperature

0 to 55 C warranted with resistive load

Notes

Agilent 657xA OM Table 1-2a: 6575A 0-120 V / 0-18 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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NIST-traceable calibration · SAM registered ·
30-day returns
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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.