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Data Sheet

August 14, 2026

AGILENT / KEYSIGHT

Agilent/Keysight 6274A DC Power Supply

HP Agilent 6274A DC Power Supply 0 to 60 V 15 A The HP/Agilent 6274A is a full-rack constant-voltage/constant-current DC power supply rated 0 to 60 V at 0 to 15 A. OEM 62xx-series regulated DC supply manuals covering the 6274B sibling at the same 60 V / 15 A rating provide the family load/line regulation, PARD, temperature coefficient, and related electrical specifications used for this class. General-purpose lab and rack CV/CC sourcing up to 60 V and 15 A, auto-series/parallel/tracking system supplies, and remote-sense programmable DC power. The HP/Agilent 6274A is a full-rack constant-voltage/constant-current DC power supply rated 0 to 60 V at 0 to 15 A. OEM 62xx-series regulated DC supply manuals covering the 6274B sibling at the same 60 V / 15 A rating provide the family load/line regulation, PARD, temperature coefficient, and related electrical specifications used for this class. General-purpose lab and rack CV/CC sourcing up to 60 V and 15 A, auto-series/parallel/tracking system supplies, and remote-sense programmable DC power. Transistor series regulator with triac preregulator architecture



MODEL

**Agilent / Keysight
6274A**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

6274A

LISTING

<https://aumictechlabs.com/products/6274a-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Agilent/Keysight 6274A is a precision DC power supply delivering 0–60 V and 0–15 A across laboratory and production test environments. It operates in constant voltage (CV) and constant current (CC) modes with load transient recovery under 50 μ s, making it suitable for dynamic

device characterization and burn-in applications. Dual operational modes - auto-series, auto-parallel, and auto-tracking - enable flexible multi-unit configurations without external control logic.

Technical Specifications

Output Ratings (0–55 °C) Voltage: 0–60 V Current: 0–15 A Accuracy (25 °C $\pm$ 5 °C) Voltage programming: 0.04% + 60 mV Current programming: 0.1% + 25 mA Ripple and Noise (20 Hz–20 MHz) CV mode: 200 μ V rms, 20 mV peak-to-peak CC mode: 5 mA rms

Regulation Performance Load regulation: 0.01% + 200 μ V Line regulation: 0.01% + 200 μ V Load Transient Recovery: < 50 μ s

Key Features Over-voltage and over-current protection Front-panel coarse and fine adjustments with analog meter readout Remote analog programming and remote sensing capability Barrier strip rear connections for internal/external sensing and remote control Optional multiprogrammer interface (Option 040) for 6940B/6941B integration

Dimensions: 483 mm W $\times$ 127 mm H $\times$ 479.4 mm D; 21.7 kg

Typical Applications Laboratory characterization, production test stations, component burn-in, power conversion testing, and R&D environments requiring stable sourcing with fast transient response.

Compatibility & Integration Part of the 6200-series family; stackable with 6256B, 6259B, 6260A, 6263B–6269A, 6271B models via auto-series/parallel operation. Related to higher-power 6574A and 6674A supplies.

6274A Characteristics / Specifications

PARAMETER	VALUE
Model	6274A
Instrument Type	Constant voltage constant current DC power supply
Output Voltage Range	0 V to 60 V
Output Current Range	0 A to 15 A
Family Rating Reference	6274B column 0 to 60 V at 0 to 15 A in OEM 62xx manual
Load Regulation Cv	less than 0.01 percent of output plus 200 μ V
Load Regulation Cc	less than 0.02 percent of output plus 500 μ A
Line Regulation Cv	less than 0.01 percent of output plus 200 μ V for 104 to 127 Vac or 208 to 254 Vac
Line Regulation Cc	less than 0.02 percent of output plus 500 μ A for 104 to 127 Vac or 208 to 254 Vac
Pard Cv Rms	less than 200 μ V rms 20 Hz to 20 MHz
Pard Cv Peak To Peak	less than 20 mVp-p 20 Hz to 20 MHz for 6274B class
Pard Cc	less than 5 mA rms 20 Hz to 20 MHz for 6274B class
Temperature Coefficient Cv	less than 0.01 percent plus 200 μ V perAfter 30 minute warm-up
Temperature Coefficient Cc	less than 0.01 percent plus 2 mA perAfter 30 minute warm-up for 6274B class
Load Transient Recovery Typical Family	less than 50 μ s class recovery on related Keysight 6274B product data
Cabinet Class	5.25 in high full-rack-width cabinet for 6274B class models
Input Line Standard Class	115 Vac class with optioned 208/230 Vac operation on family options
Remote Sensing	supported on family rear barrier connections
Analog Programming	supported on family
Auto Series Operation	supported
Auto Parallel Operation	supported
Auto Tracking Operation	supported
Overvoltage Protection	operator adjustable on family
Physical Weight 6274B Product Data	21.7 kg (48 lb) class listing

PARAMETER	VALUE
Physical Dimensions 6274B Product Data	483 mmWx 127 mmHx 479.4 mmDclass listing
Output Rating Temperature	0 C to 55 C class rating on related 6274B product data

6274A Specifications

PARAMETER	VALUE
HP Agilent 6274A DC Power Supply 0 to 60 V 15 A	Overview
Automatic CV/CC crossover	Remote sensing and analog programming provisions
Technical Specifications	Model: 6274A

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 used for this class.

Applications

General-purpose lab and rack CV/CC sourcing up to 60 V and 15 A, auto-series/parallel/tracking system supplies, and remote-sense programmable DC power.

Key Features

Transistor series regulator with triac preregulator architecture

Automatic CV/CC crossover

Remote sensing and analog programming provisions

Auto-series, auto-parallel, and auto-tracking operation

Operator-adjustable overvoltage protection on the family

Technical Specifications

Technical Specifications

PARAMETER	VALUE
Model	6274A
Instrument Type	Constant voltage constant current DC power supply
Output Voltage Range	0 V to 60 V
Output Current Range	0 A to 15 A
Family Rating Reference	6274B column 0 to 60 V at 0 to 15 A in OEM 62xx manual
Load Regulation Cv	less than 0.01 percent of output plus 200 uV
Load Regulation Cc	less than 0.02 percent of output plus 500 uA
Line Regulation Cv	less than 0.01 percent of output plus 200 uV for 104 to 127 Vac or 208 to 254 Vac
Line Regulation Cc	less than 0.02 percent of output plus 500 uA for 104 to 127 Vac or 208 to 254 Vac
Pard Cv Rms	less than 200 uV rms 20 Hz to 20 MHz
Pard Cv Peak To Peak	less than 20 mVp-p 20 Hz to 20 MHz for 6274B class
Pard Cc	less than 5 mA rms 20 Hz to 20 MHz for 6274B class
Temperature Coefficient Cv	less than 0.01 percent plus 200 uV perAfter 30 minute warm-up
Temperature Coefficient Cc	less than 0.01 percent plus 2 mA perAfter 30 minute warm-up for 6274B class
Load Transient Recovery Typical Family	less than 50 us class recovery on related Keysight 6274B product data
Cabinet Class	5.25 in high full-rack-width cabinet for 6274B class models
Input Line Standard Class	115 Vac class with optioned 208/230 Vac operation on family options
Remote Sensing	supported on family rear barrier connections

PARAMETER	VALUE
Analog Programming	supported on family
Auto Series Operation	supported
Auto Parallel Operation	supported
Auto Tracking Operation	supported
Overvoltage Protection	operator adjustable on family
Physical Weight 6274B Product Data	21.7 kg (48 lb) class listing
Physical Dimensions 6274B Product Data	483 mmWx 127 mmHx 479.4 mmDclass listing
Output Rating Temperature	0 C to 55 C class rating on related 6274B product data

Notes

Output rating 0 to 60 V / 0 to 15 A for 6274A from Agilent/Artisan configuration data. Electrical regulation, PARD, and temperature-coefficient rows from HP Regulated DC Supply manual covering Models 6256B through 6274B (6274B column). Where rows are labeled 6274B class, they are the OEM sibling column at the same voltage/current rating; confirm any A-to-B differences on the faceplate/calibration certificate before upload if required.

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.