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Data Sheet

August 14, 2026

AGILENT / KEYSIGHT

Agilent/Keysight 6282A DC Power Supply

Agilent 6282A Single Output DC Power Supply 0 to 10 V 0 to 10 A The HP/Agilent 6282A is a single-output CV/CC DC power supply in the HP 6281A–6299A medium-power family. OEM catalog ratings are 0 to 10 V and 0 to 10 A (100 W class). Bench and half-rack system DC power with remote sense/program and auto-series/parallel. Constant voltage / constant current with automatic crossover The HP/Agilent 6282A is a single-output CV/CC DC power supply in the HP 6281A–6299A medium-power family. OEM catalog ratings are 0 to 10 V and 0 to 10 A (100 W class). Bench and half-rack system DC power with remote sense/program and auto-series/parallel. Constant voltage / constant current with automatic crossover Coarse and fine voltage and current controls (ten-turn on select models)



MODEL

**Agilent / Keysight
6282A**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

6282A

LISTING

<https://aumictechlabs.com/products/6282a-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Agilent/Keysight 6282A is a 100 W convection-cooled DC power supply engineered for precision circuit testing, research, and development applications. This half-rack instrument delivers stable, clean power through adjustable voltage and current controls with exceptional line and load regulation. Dual operation modes - constant voltage and constant current with automatic crossover - accommodate diverse load conditions, while floating output terminals enable positive or negative sourcing. Four-position meter switching and 10-turn precision potentiometers provide fine control over output parameters. Technical Specifications Output: 0–10 V, 0–10 A at 100 W (0–

55°C) Line Regulation: $\pm 0.01\% + 1 \text{ mV}$ (CV mode); $\pm 0.05\% + 1 \text{ mA}$ (CC mode) Load Regulation: $\pm 0.01\% + 1 \text{ mV}$ (CV mode); $\pm 0.05\% + 1 \text{ mA}$ (CC mode) Ripple and Noise (20 Hz–20 MHz): $500 \text{ } \mu\text{V}$ rms / 25 mV peak-to-peak (CV); 5 mA rms (CC) Internal Impedance: $1 \text{ m}\Omega$ series with $1 \text{ } \mu\text{H}$ Operating Temperature: 0°C to 55°C Dimensions: $210 \text{ mm} \times 131 \text{ mm} \times 435 \text{ mm}$ (half-rack, $5\frac{1}{2}$ inch width) Weight: 11.3 kg Key Features Individual 10-turn voltage and current potentiometers for precise adjustment Constant Voltage / Constant Current operation with automatic mode crossover Front and rear output terminals with floating configuration Four-position meter-function switch (X1, X0.1 scaling) for voltage and current monitoring Remote sensing and programming capabilities Auto-Series, Auto-Parallel, and Auto-Tracking configuration support Typical Applications Circuit development and characterization, component testing, power conversion research, and laboratory environments requiring stable, low-noise DC sources with tight regulation. Compatibility & Integration The 6282A integrates with standard bench setups through front/rear terminals. Remote programming enables system integration in automated test environments.

6282A Characteristics / Specifications

PARAMETER	VALUE
Instrument Type	Single output CV/CC DC power supply
Series Family	HP 6281A to 6299A
Output Voltage Rating	0 to 10 V
Output Current Rating	0 to 10 A
Maximum Power Class	100 W
Load Effect Transient Recovery	50 us; 15 mV level
Meter Accuracy	3 percent of full scale
AC Input Standard	115 Vac plus or minus 10 percent
Size	131 × 210 × 435 mm
Floating Output	use as positive or negative source
Remote Sensing	yes
Remote Programming	yes
Auto Series	yes
Auto Parallel	yes
Auto Tracking	yes
Rack Kit 3.5 in	HP 14513A / 14523A class for 3.5 in models
Rack Kit 5.25 in	HP 14515A / 14525A class for 5.25 in models
Regulator Type	series or series/SCR preregulator by power class
Meter Function Switch	four position X1 and X0.1 voltage or current

6282A Specifications

PARAMETER	VALUE
Front and rear output terminals	Remote sensing and programming with auto-series/parallel/tracking
Technical Specifications	Instrument Type: Single output CV/CC DC power supply
Notes	5.25 in half-rack SCR-preregulator class. Model-specific V/I from HP catalog / HPWiki OEM listings for this model number only.

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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AC Input Standard	115 Vac plus or minus 10 percent
Size	131 x 210 x 435 mm
Floating Output	use as positive or negative source
Remote Sensing	yes
Remote Programming	yes
Auto Series	yes
Auto Parallel	yes
Auto Tracking	yes
Option 011 Crowbar: available	
Option 028: 230 Vac input	
Option 005: 50 Hz ac input optimization	
Specifications	
PARAMETER	VALUE
Rack Kit 3.5 in	HP 14513A / 14523A class for 3.5 in models
Rack Kit 5.25 in	HP 14515A / 14525A class for 5.25 in models
Regulator Type	series or series/SCR preregulator by power class
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Notes

5.25 in half-rack SCR-preregulator class. Model-specific V/I from HP catalog / HPWiki OEM listings for this model number only.

Ordering Information

OPTION	DESCRIPTION
Option 011	Crowbar: available

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.