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Data Sheet

August 14, 2026

HP / AGILENT

HP / Agilent 6286A DC POWER SUPPLY 0-20V / 0-10A

HP Agilent 6286A DC Power Supply 0-20 V 0-10 A The HP/Agilent 6286A is a convection-cooled half-rack CV/CC DC power supply rated 0 to 20 V and 0 to 10 A (200 W class). Published AccuSource/HP family specifications list load and source effect 0.01% + 1 mV (voltage) and 0.05% + 1 mA (current), PARD 500 μ V rms / 25 mV p-p, and 10-turn voltage and current controls with automatic CV/CC crossover. Bench and rack DC bias for motors, relays, and industrial electronics, constant-current component testing, and general laboratory 20 V / 10 A power. The HP/Agilent 6286A is a convection-cooled half-rack CV/CC DC power supply rated 0 to 20 V and 0 to 10 A (200 W class). Published AccuSource/HP family specifications list load and source effect 0.01% + 1 mV (voltage) and 0.05% + 1 mA (current), PARD 500 μ V rms / 25 mV p-p, and 10-turn voltage and current controls with automatic CV/CC crossover. Bench and rack DC bias for motors, relays, and industrial electronics, constant-current component testing, and general laboratory 20 V / 10 A power. Constant-voltage / constant-current with automatic crossover



MODEL

HP / Agilent 6286A

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

6286A

LISTING

<https://aumictechlabs.com/products/6286a-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The HP/Agilent 6286A is a 0–20 V, 0–10 A DC power supply delivering up to 200 W of output power. This CV/CC (constant-voltage, constant-current) unit features automatic crossover operation, precision 10-turn potentiometers for voltage and current adjustment, and convection cooling in a half-rack form factor. Floating outputs capable of ± 120 V from ground enable use as positive or negative sources. Remote sensing and remote programming support integration into automated test systems, while front and rear output terminals provide flexible connectivity. Line and load regulation of 0.01% + 1 mV (voltage) and 0.05% + 1 mA (current) ensure stable output under varying conditions. Voltage ripple and noise measure 500 μ V RMS / 5 mV peak-to-peak in CV mode; constant-current ripple is 5 mA RMS across the 20 Hz to 20 MHz bandwidth. A four-position meter-function switch displays voltage or current at X1 and X0.1 ranges. The series-regulator, SCR-preregulator topology optimizes efficiency while maintaining thermal stability. Input power is rated at 320 W maximum (5.5 A at 105–125 VAC, 50–60 Hz; 230 VAC option available). Advanced features include auto-series, auto-parallel, and auto-tracking capability for system expansion. Options for rack mounting and internal overvoltage protection (crowbar) are available. Dimensions are 131 mm H $\times$ 210 mm W $\times$ 435 mm D; weight is 11.3 kg.

6286A Characteristics / Specifications

PARAMETER	VALUE
Output Voltage Range	0 to 20 V
Output Current Range	0 to 10 A
Output Power Class	200 W
Load Effect Voltage	0.01% + 1 mV
Load Effect Current	0.05% + 1 mA
Source Effect Voltage	0.01% + 1 mV
Source Effect Current	0.05% + 1 mA
PARD Voltage rms	500 μ V
PARD Voltage Peak Peak	25 mV
PARD Current rms	5 mA
Drift Stability Voltage	0.1% + 2.5 mV
Drift Stability Current	0.1% + 25 mA
Voltage Control	10-turn
Current Control	10-turn
Operating Modes	CV and CC with automatic crossover
Cooling	convection cooled
Form Factor	5.25 in half-rack
Meter Ranges	dual voltage and current X1 / X0.1
Topology	series-regulator with SCR preregulator
Programming Speed	moderate class for family
Ripple Noise CV Class	500 μ V rms / 5 mV p-p in some manual revisions
Manufacturer	HP Agilent
Model	6286A
Family	MPB-5 / 6286A series supplies

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 list load and source effect 0.01% + 1 mV (voltage) and 0.05% + 1 mA (current), PARD 500 uV rms / 25 mV p-p, and 10-turn voltage and current controls with automatic CV/CC crossover.

Applications

Bench and rack DC bias for motors, relays, and industrial electronics, constant-current component testing, and general laboratory 20 V / 10 A power.

Key Features

Constant-voltage / constant-current with automatic crossover

Individual 10-turn voltage and current controls

Series-regulator / SCR-preregulator for convection-cooled efficiency

Four-position meter function switch with X1 and X0.1 ranges

Half-rack 5.25 in high package

Technical Specifications

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Output Voltage Range	0 to 20 V
Output Current Range	0 to 10 A
Output Power Class	200 W
Load Effect Voltage	0.01% + 1 mV
Load Effect Current	0.05% + 1 mA
Source Effect Voltage	0.01% + 1 mV
Source Effect Current	0.05% + 1 mA
PARD Voltage rms	500 uV
PARD Voltage Peak Peak	25 mV
PARD Current rms	5 mA
Drift Stability Voltage	0.1% + 2.5 mV
Drift Stability Current	0.1% + 25 mA
Voltage Control	10-turn
Current Control	10-turn
Operating Modes	CV and CC with automatic crossover
Cooling	convection cooled
Form Factor	5.25 in half-rack
Meter Ranges	dual voltage and current X1 / X0.1
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Notes

Regulation, PARD, and drift figures from Agilent/HP 6286A product specification summaries (AccuSource listing of OEM limits). Some manual revisions list 5 mV p-p CV ripple; confirm the operating/service manual 06286-90001 table for the unit serial prefix.

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.