Aumictech
Test & measurement · bought, sold, repaired, calibrated

Data Sheet
August 14, 2026

AGILENT / KEYSIGHT

Agilent/Keysight 6112A DC Power Supply

Agilent 6112A Precision DC Power Supply 0 V to 40 V 0 A to 0.5 A The HP 6112A is an STB-series precision CV/current-limiting DC supply. OEM 6101A Operating and Service Manual covers Models 6101A, 6102A, 6106A, 6111A, 6112A, 6113A, and 6116A; this model is rated 0 V to 40 V at 0 A to 0.5 A. Precision bench reference, 0.1 percent calibrator-class programming, and remotely sensed lab DC. Oven-stabilized zener reference on the STB series The HP 6112A is an STB-series precision CV/current-limiting DC supply. OEM 6101A Operating and Service Manual covers Models 6101A, 6102A, 6106A, 6111A, 6112A, 6113A, and 6116A; this model is rated 0 V to 40 V at 0 A to 0.5 A. Precision bench reference, 0.1 percent calibrator-class programming, and remotely sensed lab DC. Oven-stabilized zener reference on the STB series Ten-turn coarse plus fine voltage on 610x; 611x add thumbwheel programming

MODEL **Agilent / Keysight 6112A**	CALIBRATION **Available on request**
CONDITION **Used**	STATUS **In stock**
RFQ / SKU **6112A**	LISTING **https://aumictechlabs.com/products/6112a-2/**

NIST-traceable cal · SAM registered · 30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Agilent/Keysight 6112A is a precision benchtop DC power supply engineered for stable, accurate voltage and current delivery in sensitive electronic testing and quality control environments. The instrument operates in both constant voltage (CV) and constant current (CC) modes, with integrated digital meters for simultaneous voltage and current monitoring. Low noise performance and excellent load/line regulation ensure test result integrity across demanding applications.Technical Specifications Output Characteristics Single output configuration Constant

Voltage (CV) and Constant Current (CC) modes Load Regulation: Less than 0.01% + 2 mV Line Regulation: Less than 0.01% + 2 mV Voltage Ripple and Noise: Less than 200 µVrms; Less than 2 mVpp Current Ripple and Noise: Less than 200 µArms Input Requirements Operating Voltage: 104 to 127 Vac Frequency: 47–63 Hz User Interface Digital voltage and current meters for real-time monitoring 10-turn voltage and current adjust potentiometers for precision control Remote Sensing Voltage drop compensation in load leads to ensure accurate voltage delivery at the device under test Protection Overvoltage protection that disables output to protect the device under testKey Features Dual-mode operation (CV/CC) for versatile test scenarios Low-noise output suitable for sensitive analog and RF circuits Precise regulation minimizes output variations across load changes and input fluctuations Digital metering eliminates analog display ambiguity Remote sensing capability eliminates lead-drop measurement errors in critical applicationsTypical Applications Component characterization and acceptance testing Circuit prototype development and validation Device stress and burn-in testing Quality control and production testing Laboratory research requiring stable, low-noise power deliveryCompatibility & Integration Benchtop form factor with front-panel analog controls and digital readout. Remote sensing terminals enable accurate voltage regulation at the load regardless of cable resistance.

6112A Characteristics / Specifications

PARAMETER	VALUE
Model	6112A
Instrument Type	Precision constant voltage current limiting DC power supply
Series Family	HP STB 6101A 6102A 6106A 6111A 6112A 6113A 6116A
Output Voltage Range	0 V to 40 V
Output Current Range	0 A to 0.5 A
Load Regulation Front Family	less than 0.001 percent plus 600 uV (6101A Table 1-1 family)
Load Regulation Rear Family	less than 0.001 percent plus 100 uV (6101A Table 1-1 family)
Line Regulation Family	less than 0.001 percent output change for any line change within rating (6101A Table 1-1)
Ripple Noise Peak Peak Family	less than 100 uV peak-to-peak (6101A Table 1-1)
Ripple Noise Rms Family	less than 40 uV rms (6101A Table 1-1)
Temperature Coefficient Front Family	less than 0.005 percent plus 30 uV perCafter 30 minute warm-up
Temperature Coefficient Remote Family	less than 0.001 percent plus 10 uV perCafter 30 minute warm-up
Stability 8 h Front Family	less than 0.01 percent plus 300 uV for 8 hours, less than plus or minus 3 C ambient
Stability 8 h Remote Family	less than 0.01 percent plus 100 uV for 8 hours
Stability 1 Month Family	less than 0.012 percent plus 120 uV for one month
Operating Temperature Family	0 C to 50 C
Storage Temperature Family	minus 20 C to +85 C
Transient Recovery 10 mV Family	less than 50 us to within 10 mV after full load current change
Transient Recovery To Spec Family	less than 100 us to within load-regulation specification
Programming Coefficient Family	1000 ohms per volt with 0.1 percent plus 1 mV accuracy (6101A Table 1-1)
Output Impedance Dc To 100 Hz Family	less than 0.002 ohm
Current Limit This Model	0.52 A maximum current-limit test
Load Regulation Test Limit	0.75 mVdc at rated voltage (STB performance-test table)
Line Regulation Test Limit	0.4 mVdc for 105 to 125 Vac (STB performance-test table)

PARAMETER	VALUE
Remote Program Resistance Rated V	40 kOhm
Meter Voltage Scale Class	0 to 60 V class meter scale
Ac Input Family	105 to 125 / 210 to 250 Vac, 48 to 63 Hz
Size Family	3.5 inHx 8.5 inWx 12.625 inDWeight Family: 10 lb net, 13 lb shipping (6101A Table 1-1)
Floating Voltage Family	up to 300 V off ground
Storage temperature	Family: minus 20 C to +85 C
Operating temperature	Family: 0 C to 50 C

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Storage temperature	Family: minus 20 C to +85 C
Operating temperature	Family: 0 C to 50 C
Operating Temperature	Family: 0 C to 50 C
Operating Temperature Family	0 C to 50 C
Storage Temperature Family	minus 20 C to +85 C
Transient Recovery 10 mV Family	less than 50 us to within 10 mV after full load current change
Transient Recovery To Spec Family	less than 100 us to within load-regulation specification
Programming Coefficient Family	1000 ohms per volt with 0.1 percent plus 1 mV accuracy (6101A Table 1-1)
Output Impedance Dc To 100 Hz Family	less than 0.002 ohm
Current Limit This Model	0.52 A maximum current-limit test
Load Regulation Test Limit	0.75 mVdc at rated voltage (STB performance-test table)
Line Regulation Test Limit	0.4 mVdc for 105 to 125 Vac (STB performance-test table)
Remote Program Resistance Rated V	40 kOhm
Meter Voltage Scale Class	0 to 60 V class meter scale
Ac Input Family	105 to 125 / 210 to 250 Vac, 48 to 63 Hz
Size Family	3.5 inHx 8.5 inWx 12.625 inDWeight Family: 10 lb net, 13 lb shipping (6101A Table 1-1)
Floating Voltage Family	up to 300 V off ground Notes Output rating and model-specific current-limit, load/line test, and programming-resistance rows from HP STB Series 6101A Operating and Service Manual (06101-90001) performance-test tables that list 6112A. Family regulation, ripple, temperature coefficient, stability, impedance, and size rows from Table 1-1 of that manual (written around the 6101A 0-20 V / 0-1 A column and applied across the STB series in the same book).

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
Model	6112A
Instrument Type	Precision constant voltage current limiting DC power supply
Series Family	HP STB 6101A 6102A 6106A 6111A 6112A 6113A 6116A
Output Voltage Range	0 V to 40 V
Output Current Range	0 A to 0.5 A
Load Regulation Front Family	less than 0.001 percent plus 600 uV (6101A Table 1-1 family)
Load Regulation Rear Family	less than 0.001 percent plus 100 uV (6101A Table 1-1 family)
Line Regulation Family	less than 0.001 percent output change for any line change within rating (6101A Table 1-1)
Ripple Noise Peak Peak Family	less than 100 uV peak-to-peak (6101A Table 1-1)
Ripple Noise Rms Family	less than 40 uV rms (6101A Table 1-1)
Temperature Coefficient Front Family	less than 0.005 percent plus 30 uV perCafter 30 minute warm-up
Temperature Coefficient Remote Family	less than 0.001 percent plus 10 uV perCafter 30 minute warm-up
Stability 8 h Front Family	less than 0.01 percent plus 300 uV for 8 hours, less than plus or minus 3 C ambient
Stability 8 h Remote Family	less than 0.01 percent plus 100 uV for 8 hours
Stability 1 Month Family	less than 0.012 percent plus 120 uV for one month
Operating Temperature Family	0 C to 50 C
Storage Temperature Family	minus 20 C to +85 C
Transient Recovery 10 mV Family	less than 50 us to within 10 mV after full load current change
Transient Recovery To Spec Family	less than 100 us to within load-regulation specification
Programming Coefficient Family	1000 ohms per volt with 0.1 percent plus 1 mV accuracy (6101A Table 1-1)
Output Impedance Dc To 100 Hz Family	less than 0.002 ohm
Current Limit This Model	0.52 A maximum current-limit test
Load Regulation Test Limit	0.75 mVdc at rated voltage (STB performance-test table)
Line Regulation Test Limit	0.4 mVdc for 105 to 125 Vac (STB performance-test table)

PARAMETER	VALUE
Remote Program Resistance Rated V	40 kOhm
Meter Voltage Scale Class	0 to 60 V class meter scale
Ac Input Family	105 to 125 / 210 to 250 Vac, 48 to 63 Hz
Size Family	3.5 inHx 8.5 inWx 12.625 inDWeight Family: 10 lb net, 13 lb shipping (6101A Table 1-1)
Floating Voltage Family	up to 300 V off ground

Notes
Output rating and model-specific current-limit, load/line test, and programming-resistance rows from HP STB Series 6101A Operating and Service Manual (06101-90001) performance-test tables that list 6112A. Family regulation, ripple, temperature coefficient, stability, impedance, and size rows from Table 1-1 of that manual (written around the 6101A 0-20 V / 0-1 A column and applied across the STB series in the same book).

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

NIST-traceable calibration · SAM registered · 30-day returns
NAICS 423690 · 811210 · 541380
Generated August 14, 2026