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Data Sheet

August 14, 2026

AGILENT / KEYSIGHT

Agilent/Keysight 6612B DC Power Supply

Agilent Keysight 6612B System DC Power Supply 0 to 20 V 0 to 2 A The Agilent/Keysight 6612B isalinear-regulated 40–50 W system DC power supply. OEM 6610C Series data sheet rates 0 to 20 V and 0 to 2 A with GPIB, precision low-current measurement, and active downprogramming. Portable product manufacturing test and bench system DC with microamp readback. Dual-range precision low current measurement The Agilent/Keysight 6612B isalinear-regulated 40–50 W system DC power supply. OEM 6610C Series data sheet rates 0 to 20 V and 0 to 2 A with GPIB, precision low-current measurement, and active downprogramming. Portable product manufacturing test and bench system DC with microamp readback. Dual-range precision low current measurement Programming Accuracy Voltage 25 C: 0.05 percent plus 10 mV



MODEL

**Agilent / Keysight
6612B**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

6612B

LISTING

<https://aumictechlabs.com/products/6612b-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Agilent/Keysight 6612B is a single-output DC power supply delivering 0–20 Vdc at 0–2 A with 40–100 W power capacity in a half-rack form factor. Designed for automated test systems and demanding lab applications, it combines precise voltage and current regulation with programmable control via GPIB and RS-232 interfaces. Technical Specifications Output Ratings Voltage: 0 to 20 Vdc Current: 0 to 2 A Power Output: 40–100 W Voltage Regulation Programming Accuracy (at 25°C ±5°C): 10 mV, 5 mV Line Regulation: 0.5 mV Load Regulation: 2 mV, 2 mV/0.5

mA Ripple and Noise (20 Hz–20 MHz, rms): 500 μ V, 0.5 mV Ripple and Noise (peak-to-peak): 3 mV Current Regulation Programming Accuracy (at 25°C $\pm$ 5°C): 0.05% + 1 mA Line Regulation: 0.5 mA Load Regulation: 0.5 mA Ripple and Noise (20 Hz–20 MHz, rms): 2 mA, 1 mA Programming and Response Command Processing Time: 4 ms Output Programming Response Time: <2 ms Output Voltage Settling Time: <6 ms Transient Response Time: <100 μ s Remote Sensing: Up to 2 V drop compensation Input Line: 104–127 Vac, 47–63 HzKey Features SCPI command language with GPIB and RS-232 interfaces Built-in microamp measurement system for voltage and current monitoring Overvoltage, overcurrent, and over-temperature protection Local lockout capability Stored states and status reporting VXIplug&Play driver support Class I safety classification with protective earth terminalTypical Applications Component and module characterization Automated manufacturing test systems Research and development validation Temperature and stress testing scenariosCompatibility & Integration VXIplug&Play drivers enable direct integration into test frameworks. SCPI command set supports both local and remote operation. Remote sensing capability compensates for load lead resistance, maintaining voltage accuracy at distant test points.

6612B Characteristics / Specifications

PARAMETER	VALUE
Instrument Type	System DC power supply
Series Family	Keysight 6610C
Number of Outputs	1
GPIB	Yes
Output Voltage Rating	0 to 20 V
Output Current Rating	0 to 2 A
Programming Accuracy Voltage 25 C	0.05 percent plus 10 mV
Programming Accuracy Current	0.05 percent plus 1 mA
Ripple Noise Voltage RMS	0.5 mV
Ripple Noise Voltage Peak Peak	3 mV
Ripple Noise Current RMS	1 mA
Load Regulation Voltage	0.5 mV class
Load Regulation Current	0.5 mA class
Line Regulation Voltage	0.5 mV class
Line Regulation Current	0.25 to 0.5 mA class
Transient Response	less than 100 us for up to 50 percent load step
Average Programming Resolution Voltage	5 mV
Average Programming Resolution Current	0.5 mA
Sink Current	1.2 A
Output Programming Rise Fall	less than 2 ms
Settling	less than 6 ms to 1 LSB
Size	212.8 mmWx 88.1 mmHx 368.3 mmDWeight Net: 8.2 kg (18.16 lb)
Input Power Full Load	1.6 A, 100 W class
DC Floating Voltage	plus or minus 240 Vdc

6612B Specifications

PARAMETER	VALUE
Applications	Portable product manufacturing test and bench system DC with microamp readback.
Key Features	Fast low-noise linear output
Technical Specifications	Instrument Type: System DC power supply
Notes	From Keysight 6610C Series data sheet model column. B revisions share the matching C voltage/current column in OEM literature.

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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Ripple Noise Current RMS	1 mA
Load Regulation Voltage	0.5 mV class
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Line Regulation Current	0.25 to 0.5 mA class
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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.