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Data Sheet

August 14, 2026

AGILENT / KEYSIGHT

Agilent/Keysight 6612C DC Power Supply

Agilent Keysight 6612C System DC Power Supply 0 to 20 V 0 to 2 A The Agilent/Keysight 6612C is a linear-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 6612C is a linear-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
6612C**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

6612C

LISTING

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

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Agilent/Keysight 6612C is a 40 W single-output DC power supply engineered for laboratory and production test environments. This half-rack benchtop unit delivers 0–20 V at 0–2 A with fast programming, low noise output, and precision low-current measurement. It combines direct usability with full system integration via GPIB and RS-232 interfaces supporting the SCPI command set. Technical Specifications Output Ratings Voltage: 0 to 20 V Current: 0 to 2 A Power: 40 W Regulation and Accuracy Load regulation (voltage): 2 mV; (current): 0.5 mA Line regulation

(voltage): 0.5 mV; (current): 0.5 mA Programming accuracy (voltage): 10 mV; (current): 0.05% + 1 mA DC measurement accuracy (voltage): 0.03% + 2 mV Ripple and noise (20 Hz to 20 MHz): 0.5 mV RMS, 3 mV peak-to-peak Response and Control Transient response time: Less than 100 μ s following 50% load step Command processing time: 4 ms average (GPIB) Output programming response: Less than 2 ms rise/fall time; less than 6 ms settling time Sink current: 1.2 A Electrical Characteristics Output floating voltage: Up to ± 240 Vdc from chassis ground Input power (full load): 1.6 A, 100 W Remote sensing: Supports up to 2 V drop per load leadKey Features SCPI-compliant command processing with stored states and status reporting LCD display for real-time output monitoring Low noise output (0.5 mV RMS) suitable for sensitive circuit testing Dual interface architecture: IEEE-488.2 GPIB and RS-232 Compact half-rack form factor for benchtop and rack integrationTypical Applications Component characterization, device burn-in testing, automated production test systems, laboratory research, and precision current measurement in development environments.Compatibility & Integration VXiplug&Play drivers enable streamlined test system integration. Programming compatibility with the 6630A series supports migration and multi-unit configurations in existing test frameworks.

6612C Characteristics / Specifications

PARAMETER	VALUE
Instrument Type	System DC power supply
Series Family	Keysight 6610C
Number of Outputs	1
GPIO	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

6612C 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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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.