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Data Sheet

August 15, 2026

AGILENT / KEYSIGHT

Agilent/Keysight 6632A-020 DC Power Supply

The Agilent/Keysight 6632A-020 is a single output, 0-20V, 0-2A, 40W DC power supply. It provides stable, reliable power for a variety of applications. This power supply features excellent regulation and low noise, ensuring accurate and repeatable results.

**MODEL****Agilent / Keysight
6632A-020****CALIBRATION****Available on
request****CONDITION****Used****STATUS****In stock****RFQ / SKU****6632A-020****LISTING**<https://aumictechlabs.com/products/6632a-020-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Agilent/Keysight 6632A-020 is a 100-watt single-output DC power supply engineered for systems-level test and design applications. It delivers 0–20 Vdc at 0–5 A with programmable constant voltage (CV) and constant current (CC) operation, supported by current sinking capability for rapid down-programming in production environments. Built-in digital voltmeter and precision current shunt enable direct measurement and readback of output parameters. Technical Specifications Output Ratings Voltage: 0–20 Vdc Current: 0–5 A Power: 100 W Output modes: Constant voltage (CV), constant current (CC) Current sinking: Supported for fast down-programming Performance Load regulation Voltage: 2 mV; Current: 1 mA Programming accuracy (25°C ± 5°C) Voltage: 10 mV; Current: 0.05% + 2 mA Ripple and noise (20 Hz–20 MHz) Normal mode: 0.3 mV rms, 3 mV peak-to-peak; Fast mode: 1 mV rms, 10 mV peak-to-peak; Current: 2 mA rms Load effect transient recovery: Output settles to 0.1% of rated voltage band following 50% load current step Drift: Specified over 8-hour intervals under constant line, load, and ambient

conditions after 30-minute warm-up Measurement Built-in DVM and precision current shunt for voltage and current readback Key Features Series-pass regulated topology optimized for system integration HP-IB (IEEE-488) programmable interface with complete command set User-definable fault condition interrupts and status reporting Front-panel measurement display and control Programmable overvoltage and overcurrent protection Typical Applications Automated test systems, production test environments, and laboratory bench testing where accurate voltage and current control with fast transient response and integrated measurement are required. Compatibility & Integration HP-IB (IEEE-488) interface enables integration into automated test racks and multi-instrument control systems. Self-documenting command set simplifies programming.

6632A020 Characteristics / Specifications

PARAMETER	VALUE
Model	6632A
Configured Option Code	020
Instrument Type	Linear system DC power supply
Series Family	HP Agilent 663x
Output Voltage Rating	0 to 20 V
Output Current Rating	0 to 5 A
Output Power Class	about 100 W
Voltage Programming Accuracy at 25 C	10 mV
Current Programming Accuracy	0.05 percent plus 2 mA
Voltage Ripple Noise Rms Normal Mode	0.3 mV
Voltage Ripple Noise Peak Peak Normal Mode	3 mV
Current Ripple Noise Rms	2 mA
Voltage Measurement Accuracy	0.03 percent plus 3 mV
Load Regulation Voltage	2 mV
Line Regulation Voltage	0.5 mV
Line Regulation Current	0.5 mA
Sink Current Capability	5 A
Average Programming Resolution Voltage	5 mV
Average Programming Resolution Current	1.25 mA
Transient Response Time	less than 100 us; 50 us in fast mode for 50 percent load step class
Output Programming Response Rise Fall	less than 2 ms; 400 us in fast mode
Command Processing Time Typical	4 ms on GPIB
Measurement Time Typical	50 ms
Dc Floating Voltage	up to plus or minus 240 Vdc from chassis

PARAMETER	VALUE
Remote Sensing Drop	up to 2 V per load lead
Remote Interface	GPIB IEEE 488.2 SCPI
Size	425.5 mmWx 88.1 mmHx 364.4 mmDWeight Net: 12.7 kg
Input Power Full Load Class	3.5 A 250 W

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.

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Notes
Electrical rows from HP/Agilent 6632A family literature and matching 663xB datasheet columns. Option 020 is the configured option code on the queued unit; confirm option meaning on the faceplate/manual.

Ordering Information

OPTION	DESCRIPTION
Option 020	System DC Power Supply 20 V 5 A

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.