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Data Sheet

August 14, 2026

AGILENT / KEYSIGHT

Agilent/Keysight 6443B DC Power Supply

Agilent 6443B SCR Regulated DC Power Supply 0 to 120 V 0 to 2.5 A The HP 6443B is an SCR-1P series CV/CC DC power supply. OEM manual rates 0 to 120 Vdc and 0 to 2.5 A. Higher-voltage medium-power DC for labs and racks. Instrument Type: SCR regulated DC power supply The HP 6443B is an SCR-1P series CV/CC DC power supply. OEM manual rates 0 to 120 Vdc and 0 to 2.5 A. Higher-voltage medium-power DC for labs and racks. Instrument Type: SCR regulated DC power supply AC Input: 105 to 125 Vac, 57 to 63 Hz, single phase



MODEL

**Agilent / Keysight
6443B**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

6443B

LISTING

<https://aumictechlabs.com/products/6443b-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Agilent/Keysight 6443B is a solid-state regulated DC power supply engineered for benchtop and rack-mount deployment. It delivers continuously variable output from 0 to 120 VDC at 0 to 2.5 A, with automatic crossover between constant voltage and constant current operating modes. The unit combines low output noise, excellent regulation, and fast transient response, making it suitable for precision electronics testing, component characterization, and manufacturing environments where stable power and repeatable results are critical. Technical Specifications Output: 0–120 VDC, 0–2.5 A (300 W maximum) Input: 105–125 VAC Efficiency: Up to 75% at full output Constant Voltage Regulation: Load effect <120 mV (0–2.5 A), line effect <60 mV (105–125 VAC), temperature effect 0.05% + 30 mV/°C, 8-hour drift 0.15% + 90 mV Constant Current Regulation: Load effect <25 mA, line effect <25 mA, temperature effect 8 mA/°C, 8-hour drift 25

mA Transient Response: Recovery within 600 mV in <300 ms following half-rated current step; amplitude <4.0 V/A for 20–100% load changes Metering: Front-panel voltmeter (0–120 V) and ammeter (0–3 A), both 2% accurate at full scale

Key Features User-adjustable constant voltage/constant current crossover Automatic overload protection with mode switching Reverse voltage protection via output diode shunts Remote sensing and remote programming (voltage or resistance control) Three programmable memory states with keypad lock AC input fuse and double-pole power switch Passive convection cooling (fanless operation) GPIB interface support

Typical Applications Research and laboratory power sourcing Manufacturing test benches and component validation Service and repair environments requiring precise voltage/current control Automated test equipment integration via remote programming

Compatibility & Integration Remote sensing and voltage/resistance-based remote programming enable integration into automated systems. GPIB connectivity supports instrument control in larger test configurations. Compact 19" rack-mount form factor (3.5" H × 19" W × 17.5" D, 31 lb) suits standard bench and equipment racks.

6443B Characteristics / Specifications

PARAMETER	VALUE
Instrument Type	SCR regulated DC power supply
Series Family	HP SCR-1P
Output Voltage Rating	0 to 120 Vdc
Output Current Rating	0 to 2.5 A
AC Input	105 to 125 Vac, 57 to 63 Hz, single phase
Input Current Power	6.5 A, 400 W max
Line Regulation Voltage	less than 60 mV for 105 to 125 Vac
Line Regulation Current	less than 25 mA for 105 to 125 Vac
Load Regulation Voltage	less than 120 mV for 0 to 2.5 A
Load Regulation Current	less than 25 mA for 0 to 120 V
Ripple Noise Voltage	240 mV rms class per manual table
Temperature Coefficient Voltage	0.05 percent plus 30 mV perC Temperature Coefficient Current: 8 mA perC Stability Voltage 8 Hour: 0.15 percent plus 90 mV
Remote Programming Voltage	300 ohms per volt plus or minus 0.1 percent
Remote Programming Current	100 ohms per ampere class
Transient Recovery	less than 300 ms to within 600 mV for half current step
Metering	0 to 120 V and 0 to 3 A meters class
Cooling	convection
Floating Output	either terminal may be grounded
Protection	CV/CC crossover limiting
Mounting	bench or relay rack
Manual Table	Table 1-1 Specifications

6443B Specifications

PARAMETER	VALUE
Overview	The HP 6443B is an SCR-1P series CV/CC DC power supply. OEM manual rates 0 to 120 Vdc and 0 to 2.5 A.
Key Features	SCR-1P solid-state regulation
CV/CC automatic crossover	Remote programming
Technical Specifications	Instrument Type: SCR regulated DC power supply
Notes	From HP SCR-1P Series Model 6443B Operating and Service Manual Table 1-1.

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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From HP SCR-1P Series Model 6443B Operating and Service Manual Table 1-1.	

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

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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.