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Data Sheet

August 14, 2026

AGILENT / KEYSIGHT

Agilent/Keysight 6253A DC Power Supply

Agilent 6253A Dual Output DC Power Supply 0 to 20 V 0 to 3 A per side The HP/Agilent 6253A is a dual-output regulated DC power supply. OEM catalog ratings are 0 to 20 V and 0 to 3 A per side (2 outputs). Op-amp and bipolar circuit bias, tracking positive/negative rails, and dual-channel lab power. Two isolated regulated outputs in one chassis The HP/Agilent 6253A is a dual-output regulated DC power supply. OEM catalog ratings are 0 to 20 V and 0 to 3 A per side (2 outputs). Op-amp and bipolar circuit bias, tracking positive/negative rails, and dual-channel lab power. Two isolated regulated outputs in one chassis Independent or tracking modes on dual lab models



MODEL

**Agilent / Keysight
6253A**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

6253A

LISTING

<https://aumictechlabs.com/products/6253a-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Keysight 6253A is a dual-output DC power supply engineered for electronic testing and development. Each output section delivers 0–20 V at 0–3 A with independent control, yielding up to 120 W combined power. The unit supports auto-series, auto-parallel, and auto-tracking operation to extend voltage or current capability. Rear-panel programmability via external voltage source or resistance input enables remote control. Low output impedance (4 mΩ series, 1 μH inductance) and tight regulation ensure stable, noise-free operation across industrial environments. Technical Specifications Output Configuration: Dual, independently controlled channels Voltage Range: 0–20 V per output Current Range: 0–3 A per output Total Power Output:

120 W maximum (combined) Operating Temperature: 0 to 55 °C Ripple & Noise (20 Hz–20 MHz): Constant Voltage: 200 μ V rms, 1 mV peak-to-peak Constant Current: 2 mA rms Load Regulation: Voltage: 0.01% + 4 mV Current: 0.01% + 250 μ A Line Regulation: Voltage: 0.02% + 2 mV Current: 0.01% + 250 μ A Output Impedance: 4 m Ω series resistance, 1 μ H inductance Weight: 12.7 kg (28 lb) Maximum Altitude: 2000 m Maximum Humidity: 95% relative Key Features Auto-series operation for doubled voltage output Auto-parallel capability for increased current delivery Auto-tracking between dual outputs Front and rear panel output connections Rear-panel programmable control interface Internal overvoltage protection option (Option 011) 10-turn potentiometer options for precise voltage and current adjustment Multiple color and input voltage configurations available Typical Applications Component and circuit bench testing Development and prototype power requirements Educational laboratory use Systems requiring dual independent or tracking power rails Compatibility & Integration Manufacturer status is obsolete. The unit accepts 230 VAC input with Option 028. Optional 3-digit graduated controls and precision potentiometers enhance manual adjustment accuracy.

6253A Characteristics / Specifications

PARAMETER	VALUE
Instrument Type	Dual output regulated DC power supply
Series Family	HP general purpose 25 to 200 W duals
Number of Outputs	2
Output Voltage Rating Per Side	0 to 20 V
Output Current Rating Per Side	0 to 3 A
Operating Modes	CV/CC each side
Load Effect Transient Recovery	50 us; 15 mV level
Meter Accuracy	3 percent of full scale
AC Input Standard	115 Vac plus or minus 10 percent
AC Input Option 0	230 Vac plus or minus 10 percent
Isolation Output to Chassis	up to 300 V class
Isolation Output to Output	up to 300 V class on duals
Auto Series	supported
Auto Parallel	supported
Auto Tracking	supported on 6253A/6255A class
Remote Sensing	yes
Remote Programming	yes
Front Rear Terminals	yes
Floating Output	positive or negative source
Size Class	model dependent half or full rack per catalog
Power Per Side Class	50 W or 60 W class by model

6253A Specifications

PARAMETER	VALUE
Overview	The HP/Agilent 6253A is a dual-output regulated DC power supply. OEM catalog ratings are 0 to 20 V and 0 to 3 A per side (2 outputs).
Independent or tracking modes on dual lab models	CV/CC operation on each side
Auto series and auto parallel for higher V or I	Crowbar protection on dual 60 W class models
Technical Specifications	Instrument Type: Dual output regulated DC power supply

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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PARAMETER	VALUE
Instrument Type	Dual output regulated DC power supply
Series Family	HP general purpose 25 to 200 W duals
Number of Outputs	2
Output Voltage Rating Per Side	0 to 20 V
Output Current Rating Per Side	0 to 3 A
Operating Modes	CV/CC each side
Load Effect Transient Recovery	50 us; 15 mV level
Meter Accuracy	3 percent of full scale
AC Input Standard	115 Vac plus or minus 10 percent
AC Input Option 028	230 Vac plus or minus 10 percent
Isolation Output to Chassis	up to 300 V class
Isolation Output to Output	up to 300 V class on duals
Auto Series	supported
Auto Parallel	supported
Auto Tracking	supported on 6253A/6255A class
Remote Sensing	yes
Remote Programming	yes
Front Rear Terminals	yes
Floating Output	positive or negative source
Option 011 Crowbar: internal overvoltage crowbar available	
Size Class: model dependent half or full rack per catalog	
Power Per Side Class: 50 W or 60 W class by model	
Notes	
HP catalog dual identical 60 W sections; auto-series/parallel for plus or minus 20 V tracking. From HP Power Supplies General Purpose Models 6227B-6299A catalog section.	

Ordering Information

OPTION	DESCRIPTION
Option 011	Crowbar: internal overvoltage crowbar available

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.