

**Aumictech**

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Data Sheet

August 13, 2026

HP / AGILENT

HP / Agilent 6827A Power Supply/Amplifier

HP 6827A Bipolar Power Supply / Amplifier plus/minus 100 V The HP 6827A is a bipolar power supply/amplifier providing dual-range DC output from -100 V to +100 V at up to 0.5 A, operable as a constant-voltage/constant-current supply or as a direct-coupled power amplifier. Fixed voltage gain is 20X (variable 0 to 40X). Amplifier frequency response is dc to 30 kHz (fixed gain) or dc to 15 kHz (variable gain). Bipolar DC bias; programmable load (current sink/source); servo and motor drive amplification; pulse/oscillator power amplification; ATE with remote programming. The HP 6827A is a bipolar power supply/amplifier providing dual-range DC output from -100 V to +100 V at up to 0.5 A, operable as a constant-voltage/constant-current supply or as a direct-coupled power amplifier. Fixed voltage gain is 20X (variable 0 to 40X). Amplifier frequency response is dc to 30 kHz (fixed gain) or dc to 15 kHz (variable gain). Bipolar DC bias; programmable load (current sink/source); servo and motor drive amplification; pulse/oscillator power amplification; ATE with remote programming.



MODEL

HP / Agilent 6827A

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

6827A

LISTING

<https://aumictechlabs.com/products/6827a-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The HP/Agilent 6827A Power Supply/Amplifier is a reliable instrument designed for both power supply and signal amplification tasks. This unit has programmable voltage and current limits, ensuring device protection during operation. Its remote programming capabilities via GPIB allow for automated testing and integration into existing systems. The 6827A features low noise and

high stability, making it ideal for sensitive electronic applications. It is equipped with over-voltage and over-current protection, safeguarding both the unit and the device under test from damage.

Features & description

From manufacturer datasheet

Features

- Dual range bipolar plus/minus 100 V / 0.5 A • Power supply and power amplifier modes • Current sink or source • Fixed gain 20X; variable gain 0 to 40X • dc to 30 kHz fixed-gain amplifier response

6827A Characteristics / Specifications

PARAMETER	VALUE
Model	6827A
Manufacturer	Hewlett Packard
Instrument Type	Bipolar power supply / amplifier
DC Output Voltage	-100 V to +100 V
DC Output Current	0 to 0.5 A both ranges
PARD Voltage RMS PP	10 mV / 50 mV
PARD Current RMS PP	0.4 mA / 5 mA
Transient Recovery Time	100 us
Transient Recovery Level	100 mV
Voltage Resolution	200 mV
Current Resolution	1.5 mA
Fixed Voltage Gain	20X
Variable Voltage Gain	0 to 40X
Frequency Response Fixed Gain	dc to 30 kHz (+1 / -3 dB)
Frequency Response Variable Gain	dc to 15 kHz (+1 / -3 dB)
Distortion At 100 Hz Full Output	0.1 percent THD
Distortion At 10 kHz Full Output	1 percent THD
Signal To Noise Class	about 80 dB at full output (family amplifier)
Operating Temperature	0 to 55 C
Storage Temperature	-40 to +75 C
Mains	100/120/220/240 V ac -13 percent +6 percent; 48 to 63 Hz; 150 W
Size	155 mmHx 198 mmWx 316 mmDNet Weight: 8.2 kg (18 lb)
Remote Programming	resistance voltage or current; Multiprogrammer compatible
Alias	HP 6827A
Related Lower Voltage	6825A / 6826A family

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Storage temperature	40 to +75 C
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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	
Technical 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.