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Data Sheet

August 5, 2026

KEYSIGHT / AGILENT

Keysight (Agilent) N5761A System DC Power Supply 6 V, 180 A, 1080 W

Keysight (Agilent) N5761A System DC Power Supply 6 V, 180 A, 1080 W The Keysight N5761A is an N5700 Series system DC power supply rated 6 V / 180 A / 1080 W incompact 1U package. Universal AC input; GPIB/LAN/USB/LXI; built-in V/I measurement. Very high-current low-voltage ATE; system DC bias; 1U rack integration. The Keysight N5761A is an N5700 Series system DC power supply rated 6 V / 180 A / 1080 W incompact 1U package. Universal AC input; GPIB/LAN/USB/LXI; built-in V/I measurement. Very high-current low-voltage ATE; system DC bias; 1U rack integration.



MODEL

**Keysight / Agilent
N5761A**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

N5761A

LISTING

<https://aumictechlabs.com/products/n5761a-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Keysight N5761A is a 1080 W programmable DC power supply engineered for automated test equipment and manufacturing environments. This single-output unit delivers 6 VDC at 180 A with exceptional stability and low noise, housed in a compact 1U, 19-inch rackmount form factor. The supply accepts universal AC input (85–265 VAC) and features simultaneous voltage and current regulation with front-panel and remote control via LAN, USB, GPIB, or analog programming interfaces. Technical Specifications Output voltage: 6 VDC maximum Output current: 180 A maximum Output power: 1080 W Input voltage: 85–265 VAC universal Input current: 21 A @ 100

VAC, 11 A @ 200 VAC Power factor: 0.99 typical Output noise: 8 mVrms minimum Constant voltage/constant current operation

Key Features Programmable output via analog voltage (0–5 V or 0–10 V) or resistance (0–5 k Ω or 0–10 k Ω) inputs Multiple protection layers: overvoltage (OVP), overcurrent (OCP), undervoltage (UVP), and over-temperature LXI Class C compliant with built-in web server for browser-based remote access LAN (Ethernet), USB 2.0, and GPIB connectivity standard Dual-mode front panel with coarse/fine rotary encoders for voltage and current adjustment Independent remote on/off control and front-panel lock to prevent accidental modifications Series operation: up to two units for increased output voltage Parallel operation: up to four units for increased output current Front-to-back airflow design with front, side, and rear vents optimized for rack mounting without cooling obstruction

Typical Applications Automated test equipment, manufacturing test stands, R&D benching, and high-current DC load simulation requiring stable, programmable power delivery.

Compatibility & Integration Standard rack-mount ears and handles included. Ships with US power cord (12 AWG, 8 ft, no plug), DB25 connector, strain relief assembly, and certificate of calibration.

Features & description

From manufacturer datasheet

Features

• 6 V / 180 A / 1,080 W • 1U; universal AC 85–265 Vac • Interfaces: GPIB, LAN, USB, LXI Class C • CV ripple: 60 mV p-p / 8 mV rms • OVP/OCP

N5761A Characteristics / Specifications

PARAMETER	VALUE
Model	N5761A
Manufacturer	Keysight Technologies (Agilent)
Instrument Type	System DC Power Supply
Family	N5700 Series (1500 W class)
Alias	N5761A DC Output Ratings
Voltage	0 to 6 V; Current: 0 to 180 A; Power: 1,080 W Output Ripple and Noise
Time	≤ 1.5 ms AC Input 85–265 Vac; 47–63 Hz; PF 0.99 at rated power Operational Notes Prefer Keysight N5700 Series datasheet 5989-1330.
Interfaces	GPIB, LAN, USB, LXI Class C
CV ripple	60 mV p-p / 8 mV rms

N5761A Specifications

PARAMETER	VALUE
Applications	Very high-current low-voltage ATE; system DC bias; 1U rack integration.
Key Features	- 6 V / 180 A / 1,080 W
Technical Specifications	Model: N5761A
DC Output Ratings	Voltage: 0 to 6 V; Current: 0 to 180 A; Power: 1,080 W
Output Ripple and Noise	CV p-p: 60 mV; CV rms: 8 mV
Load Effect	Voltage: 2.6 mV; Current: 41 mA
Programming Accuracy	Voltage: 0.05% + 3 mV; Current: 0.1% + 180 mA
Measurement Accuracy	Voltage: 0.1% + 6 mV; Current: 0.1% + 540 mA
Load Transient Recovery	Time: ≤ 1.5 ms
AC Input	85–265 Vac; 47–63 Hz; PF 0.99 at rated power
Operational Notes	Prefer Keysight N5700 Series datasheet 5989-1330.

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

Specifications

PARAMETER	VALUE
Model	N5761A
Manufacturer	Keysight Technologies (Agilent)
Instrument Type	System DC Power Supply
Family	N5700 Series (1500 W class)
Alias	N5761A

DC Output Ratings

Voltage: 0 to 6 V; Current: 0 to 180 A; Power: 1,080 W

Output Ripple and Noise

CV p-p: 60 mV; CV rms: 8 mV

Load Effect

Voltage: 2.6 mV; Current: 41 mA

Programming Accuracy

Voltage: 0.05% + 3 mV; Current: 0.1% + 180 mA

Measurement Accuracy

Voltage: 0.1% + 6 mV; Current: 0.1% + 540 mA

Load Transient Recovery

Time: ≤ 1.5 ms

AC Input

85–265 Vac; 47–63 Hz; PF 0.99 at rated power

Operational Notes

Prefer Keysight N5700 Series datasheet 5989-1330.

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.