

**Aumictech**

Test & measurement · bought, sold, repaired, calibrated

Data Sheet

August 3, 2026

KEYSIGHT / AGILENT

Keysight (Agilent) N5763A System DC Power Supply 12.5 V, 120 A, 1500 W

Keysight (Agilent) N5763A System DC Power Supply 12.5 V, 120 A, 1500 W The Keysight N5763A is an N5700 Series system DC power supply rated 12.5 V / 120 A / 1500 W in a compact 1U package. Universal AC input; GPIB/LAN/USB/LXI; built-in V/I measurement; analog programming. Stackable rack airflow (vents not on top/bottom). System DC bias; high-current 12.5 V rails; ATE rack integration. The Keysight N5763A is an N5700 Series system DC power supply rated 12.5 V / 120 A / 1500 W in a compact 1U package. Universal AC input; GPIB/LAN/USB/LXI; built-in V/I measurement; analog programming. Stackable rack airflow (vents not on top/bottom). System DC bias; high-current 12.5 V rails; ATE rack integration.



MODEL

**Keysight / Agilent
N5763A**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

N5763A

LISTING

<https://aumictechlabs.com/products/n5763a-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Keysight (Agilent) N5763A is a 1500 W single-output DC power supply engineered for automated test equipment and bench-top applications requiring stable, programmable power delivery. Operating at 12.5 V and 120 A maximum, it delivers constant voltage/constant current output with automatic crossover and comprehensive protection against overvoltage, overcurrent, and thermal faults. The unit accepts universal AC input (85–265 VAC, 100/200 VAC selectable) with power factor correction typically at 0.99. Technical Specifications Maximum Output Voltage:

12.5 V Maximum Output Current: 120 A Maximum Output Power: 1500 W Output Configuration: Constant voltage/constant current with automatic crossover Input Voltage: 85–265 VAC, 100/200 VAC Input Current: 21 A @ 100 VAC, 11 A @ 200 VAC Power Factor Correction: Typically 0.99Key Features Remote programming via analog voltage (0–5 V or 0–10 V) or resistance control (0–5 k Ω or 0–10 k Ω) GPIB, LAN, and USB 2.0 interfaces; fully LXI Class C compliant Built-in web server for browser-based remote monitoring and control Front panel rotary encoders for voltage and current adjustment with lockable controls 15 store/recall states for test configuration management Independent remote on/off and enable/disable capabilities Remote sensing supported to compensate for load lead voltage drop Overvoltage, overcurrent, and over-temperature protection with under-voltage lockout 1U rack-mount form factor (19-inch wide, 43.6 mm H $\times$ 422.8 mm W $\times$ 432.8 mm D) Zero-gap stackable with front, side, and rear ventilationTypical Applications Automated test environments, semiconductor device characterization, power conversion testing, and load simulation requiring precise DC power control and multi-unit scalability.Compatibility & Integration Up to 4 units can be paralleled with active current sharing for increased power output. Series operation is supported for greater voltage capability. Standard US power cord (option 861) included.

Features & description

From manufacturer datasheet

Features

- 12.5 V / 120 A / 1500 W • 1U package; universal AC 85–265 Vac • Interfaces: GPIB, LAN, USB, LXI • CV ripple: 60 mV p-p / 8 mV rms (class for this voltage group) • Compatibility command sets for Xantrex XFR / Sorensen DLM / Keysight 603x (family)

N5763A Characteristics / Specifications

PARAMETER	VALUE
Model	N5763A
Manufacturer	Keysight Technologies (Agilent)
Instrument Type	System DC Power Supply
Family	N5700 Series (1500 W)
Alias	N5763A DC Output Ratings
Voltage	0 to 12.5 V
Current	0 to 120 A
Power	1500 W Output Ripple and Noise
CV rms	8 mV AC Input
Nominal	100–240 Vac; 50/60 Hz
Range	85–265 Vac; 47–63 Hz PF: 0.99 at nominal input and rated power
Input current (1500 W class)	~21 A @ 100 Vac; ~11 A @ 200 Vac Operational Notes Prefer Keysight N5700 Series datasheet for programming/measurement accuracy rows for N5763A.
Interfaces	GPIB, LAN, USB, LXI
CV ripple	60 mV p-p / 8 mV rms (class for this voltage group)

N5763A Specifications

PARAMETER	VALUE
Applications	System DC bias; high-current 12.5 V rails; ATE rack integration.
Key Features	- 12.5 V / 120 A / 1500 W
Technical Specifications	Model: N5763A
DC Output Ratings	Voltage: 0 to 12.5 V
Output Ripple and Noise	CV p-p: 60 mV
AC Input	Nominal: 100–240 Vac; 50/60 Hz
Operational Notes	Prefer Keysight N5700 Series datasheet for programming/measurement accuracy rows for N5763A.

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	N5763A
Manufacturer	Keysight Technologies (Agilent)
Instrument Type	System DC Power Supply
Family	N5700 Series (1500 W)
Alias	N5763A
DC Output Ratings	
Specifications	
PARAMETER	VALUE
Voltage	0 to 12.5 V
Current	0 to 120 A
Power	1500 W
Output Ripple and Noise	
CV p-p: 60 mV	
CV rms: 8 mV	
AC Input	
Specifications	
PARAMETER	VALUE
Nominal	100-240 Vac; 50/60 Hz
Range	85-265 Vac; 47-63 Hz
PF	0.99 at nominal input and rated power
Input current (1500 W class)	~21 A @ 100 Vac; ~11 A @ 200 Vac
Operational Notes	
Prefer Keysight N5700 Series datasheet for programming/measurement accuracy rows for N5763A.	

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

788 S 500 E, Pleasant Grove, UT 84062
sales@aumictech.com · +1 (484) 841-9341
<https://aumictechlabs.com>

NIST-traceable calibration · SAM registered ·
30-day returns
NAICS 423690 · 811210 · 541380
Generated August 3, 2026

Technical content from manufacturer specifications. Unit photo/stock from Aumictech listing when available. Specifications subject to OEM documentation and unit condition.