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Data Sheet

August 14, 2026

AGILENT / KEYSIGHT

Keysight N5762A Power Supply, 8V, 165A, 1320W

Agilent Keysight N5762A System DC Power Supply The Agilent/Keysight N5762A is an N5700 Series single-output system DC power supply rated 8 V / 165 A / 1320 W in a 1U package. OEM N5700 Series datasheets list built-in V/I measurement, GPIB/LAN/USB (LXI Class C), universal 85 to 265 Vac input, and paralleling/series connection flexibility. ATE racks, design validation, and manufacturing DC bias needing compact 1U programmable power with LXI connectivity. CV Ripple Noise Peak To Peak: 60 mV (up to 20 MHz) The Agilent/Keysight N5762A is an N5700 Series single-output system DC power supply rated 8 V / 165 A / 1320 W in a 1U package. OEM N5700 Series datasheets list built-in V/I measurement, GPIB/LAN/USB (LXI Class C), universal 85 to 265 Vac input, and paralleling/series connection flexibility. ATE racks, design validation, and manufacturing DC bias needing compact 1U programmable power with LXI connectivity. CV Ripple Noise Peak To Peak: 60 mV (up to 20 MHz) CV Ripple Noise RMS: 8 mV (5 Hz to 1 MHz)



MODEL

**Agilent / Keysight
N5762A**

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

N5762A

LISTING

<https://aumictechlabs.com/products/n5762a-3/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Agilent/Keysight N5762A is a versatile single-output DC power supply designed for automated test equipment (ATE) systems, product design validation, and manufacturing testing. This power supply offers stable and reliable power with excellent ripple and noise characteristics. It features fast programming

capabilities and supports arbitrary waveform generation, improving test efficiency and flexibility. The N5762A ensures accurate and repeatable results, making it suitable for demanding applications.

Features & description

From manufacturer datasheet

Built-in voltage and current measurement

OVP OCP OTP and UVL protection Analog programming and monitoring Technical Specifications Model: N5762A DC Output Voltage: 8 V DC Output Current: 165 A DC Output Power: 1320 W CV Ripple Noise Peak To Peak: 60 mV (up to 20 MHz) CV Ripple Noise RMS: 8 mV (5 Hz to 1 MHz) Load Effect Voltage: 2.8 mV Load Effect Current: 38 mA Programming Accuracy Voltage: 0.05 percent + 4 mV Programming Accuracy Current: 0.1 percent + 165 mA Measurement Accuracy Voltage: 0.1 percent + 8 mV Measurement Accuracy Current: 0.1 percent + 495 mA Overvoltage Protection Range: 0.5 to 10 V Programming Resolution Voltage: 0.96 mV Programming Resolution Current: 19.8 mA CC Ripple Noise RMS: 330 mA Remote Sense Compensation Per Lead: 1 V Load Transient Recovery Time: less than or equal to 1.5 ms AC Input: 85 to 265 Vac 47 to 63 Hz universal Remote Interfaces: GPIB Ethernet LAN USB 2.0 LXI Compliance: LXI ClassC Form Factor: 1U 19 inch Command Response Time Class: 55 ms class Series Family: Keysight N5700 Series Notes From Keysight N5700 Series System DC Power Supplies data sheet model column for N5762A. Warranted over 0 to 40 C ambient unless noted.

N5762A Characteristics / Specifications

PARAMETER	VALUE
Model	N5762A
DC Output Voltage	8 V
DC Output Current	165 A
DC Output Power	1320 W
CV Ripple Noise Peak To Peak	60 mV (up to 20 MHz)
CV Ripple Noise RMS	8 mV (5 Hz to 1 MHz)
Load Effect Voltage	2.8 mV
Load Effect Current	38 mA
Programming Accuracy Voltage	0.05 percent + 4 mV
Programming Accuracy Current	0.1 percent + 165 mA
Measurement Accuracy Voltage	0.1 percent + 8 mV
Measurement Accuracy Current	0.1 percent + 495 mA
Overvoltage Protection Range	0.5 to 10 V
Programming Resolution Voltage	0.96 mV
Programming Resolution Current	19.8 mA
CC Ripple Noise RMS	330 mA
Remote Sense Compensation Per Lead	1 V
Load Transient Recovery Time	less than or equal to 1.5 ms
AC Input	85 to 265 Vac 47 to 63 Hz universal
Remote Interfaces	GPIB Ethernet LAN USB 2.0
LXI Compliance	LXI ClassCForm Factor: 1U 19 inch
Command Response Time Class	55 ms class
Series Family	Keysight N5700 Series

N5762A Specifications

PARAMETER	VALUE
Agilent Keysight N5762A System DC Power Supply	Overview
Applications	ATE racks, design validation, and manufacturing DC bias needing compact 1U programmable power with LXI connectivity.
Key Features	1U high density system DC supply
OVP OCP OTP and UVL protection	Analog programming and monitoring
Technical Specifications	Model: N5762A
Notes	From Keysight N5700 Series System DC Power Supplies data sheet model column for N5762A. Warranted over 0 to 40 C ambient unless noted.

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
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Command Response Time Class	55 ms class
Series Family	Keysight N5700 Series
Notes	
From Keysight N5700 Series System DC Power Supplies data sheet model column for N5762A. Warranted over 0 to 40 C ambient unless noted.	

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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NIST-traceable calibration · SAM registered ·
30-day returns
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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.