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Data Sheet

August 14, 2026

AGILENT / KEYSIGHT

Agilent/Keysight N8733A System DC Power Supply 8V 400A

The Agilent/Keysight N8733A is a single-output N8700 Series system DC power supply in the 3.3 kW class. OEM N8700 series datasheets rate this model at 15 V, 220 A, and 3300 W with built-in metering and standard LAN/USB/GPIB. ATE rack DC stimulus for aerospace defense automotive component and communications manufacturing validation, and high-power device characterization where a compact 2U programmable source is required. Compact 2U 19 inch system DC supply package LAN USB and GPIB interfaces standard LXI Class C Overvoltage overcurrent and overtemperature protection with UVL window Agilent Keysight N8733A System DC Power Supply 15 V 220 A 3300 W The Agilent/Keysight N8733A is a single-output N8700 Series system DC power supply in the 3.3 kW class. OEM N8700 series datasheets rate this model at 15 V, 220 A, and 3300 W with built-in metering and standard LAN/USB/GPIB. ATE rack DC stimulus for aerospace defense automotive component and communications manufacturing validation, and high-power device characterization where a compact 2U programmable source is required. Compact 2U 19 inch system DC supply package



MODEL

**Agilent / Keysight
N8733A**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

N8733A

LISTING

<https://aumictechlabs.com/products/n8733a-3/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Keysight N8733A is a single-output, 3300W DC power supply designed for demanding applications in aerospace/defense, automotive, component testing, and communications industries. It has a compact 2U high, 19-inch wide package with front-to-back airflow, allowing for efficient rack integration without requiring additional space above or below the unit. This power supply provides flexible AC input options and analog/resistance control for output voltage and current, enabling precise power delivery. Its system-ready features, including standard GPIB, LAN (LXI-Core), and USB 2.0 interfaces, facilitate accelerated test-system development. The N8733A incorporates extensive device protection mechanisms, including overvoltage, overcurrent, and overtemperature protection, to safeguard connected equipment. It also supports parallel connection of up to four identical units for increased output current and series connection of up to two identical units for higher output voltage.

Technical Specifications

Parameter	Value
DC Output Ratings	Voltage: 15 V Current: 220 A Power: 3300 W
Programming Accuracy	Voltage: 0.05% + 7.5 mV Current: 0.1% + 440 mA
Output Ripple and Noise	CV p-p: 60 mV CV rms: 8 mV
AC Input Options	Flexible options available, including 208 V, 230 V, and 400 V.

Note: The AC input voltage hardware is permanently installed at the factory and cannot be changed after delivery.

Interfaces GPIB (General Purpose Interface Bus) LAN (LXI-Core) USB 2.0

Protection Features Overvoltage Protection (OVP) Overcurrent Protection (OCP) Overtemperature Protection (OTP) Under-voltage protection

Physical Form Factor: 2U rackmount

Airflow: Front-to-back

Key Features

- High-Power Density:** Compact 2U package saves rack space.
- Low Noise Output:** As low as 8 mVrms.
- Extensive Device Protection:** Safeguards against voltage and current faults.
- Simple Front Panel Operation:** Separate knobs for voltage and current adjustment with simultaneous display of output values.
- Modern I/O:** Standard USB, LAN, and GPIB interfaces for versatile connectivity.
- Flexible Configuration:** * Connect up to four identical units in parallel for increased current. * Connect up to two identical units in series for increased voltage.
- Analog Programming and Monitoring:** Supports remote control and monitoring.
- Web Server:** Built-in web server for remote access and control via a standard browser.
- Front Panel Lock:** Prevents accidental parameter changes.
- Compatibility:** Supports SCPI (Standard Commands for Programmable Instruments). Standard with IVI-COM drivers.

Why Choose Aumictech for Agilent/Keysight N8733A? At Aumictech, we specialize in supplying high-end power supply equipment. Whether you need reliable, high-current DC power for demanding test applications, precise voltage and current control for sensitive research, or scalable power solutions for production environments, our team ensures the Agilent/Keysight N8733A delivers maximum performance for your application.

N8733A Characteristics / Specifications

PARAMETER	VALUE
Instrument Type	System DC power supply
Series Family	Keysight N8700
Rated Output Voltage	15 V
Rated Output Current	220 A
Rated Output Power	3300 W
Output Ripple Noise CV Peak Peak	60 mV at 20 MHz bandwidth
Output Ripple Noise CV RMS	8 mV from 5 Hz to 1 MHz
CV Load Regulation	7.25 mV
CC Load Regulation	49 mA
CV Line Regulation	3.5 mV
CC Line Regulation	24 mA
Voltage Programming Accuracy	0.05 percent plus 7.5 mV
Current Programming Accuracy	0.1 percent plus 440 mA
Voltage Measurement Accuracy	0.1 percent plus 15 mV
Current Measurement Accuracy	0.1 percent plus 660 mA
Load Transient Recovery Time	less than 1 ms
Overvoltage Protection Range	1 to 18 V
Package Height	2 U
Remote Interfaces	LAN USB 2.0 GPIB
LXI Compliance	LXI ClassCCommand Language: SCPI with IVI COM drivers
Parallel Capability	up to 4 identical units for higher current
Series Capability	2 identical units for higher voltage within isolation limits
Analog Program Monitor	0 to 5 V or 0 to 10 V and resistance programming paths
AC Input Options Class	208 V 3 phase or 400 V 3 phase; 3.3 kW models also offer 230 V single phase option
Temperature Spec Window	ambient 0 to 40 C unless otherwise noted in OEM tables

PARAMETER	VALUE
Bandwidth	Output Ripple Noise CV RMS: 8 mV from 5 Hz to 1 MHz

N8733A Specifications

PARAMETER	VALUE
Key Features	Compact 2U 19 inch system DC supply package
LAN USB and GPIB interfaces standard LXI Class C	Overvoltage overcurrent and overtemperature protection with UVL window
Technical Specifications	Instrument Type: System DC power supply
Notes	Numeric rows from Agilent/Keysight N8700 Series System DC Power Supplies datasheet model column N8733A.

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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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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<https://aumictechlabs.com>

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.