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Data Sheet

August 14, 2026

AGILENT / KEYSIGHT

Agilent / Keysight E3633A DC Power Supply

HP Agilent E3633A Dual Range DC Power Supply The Agilent/Keysight E3633A is a 200 W single-output programmable supply with dual ranges of 0 to 8 V/20 A or 0 to 20 V/10 A. OEM E363xA datasheets add front and rear output terminals, OVP/OCP, remote sensing, and the same GPIB/RS-232 SCPI control as the rest of the series. High-current low-voltage device testing to 20 A, automated rack power with rear terminals, and dual-range bench work needing 8 V or 20 V rails. Dual-range 8 V/20 A or 20 V/10 A at 200 W The Agilent/Keysight E3633A is a 200 W single-output programmable supply with dual ranges of 0 to 8 V/20 A or 0 to 20 V/10 A. OEM E363xA datasheets add front and rear output terminals, OVP/OCP, remote sensing, and the same GPIB/RS-232 SCPI control as the rest of the series. High-current low-voltage device testing to 20 A, automated rack power with rear terminals, and dual-range bench work needing 8 V or 20 V rails. Dual-range 8 V/20 A or 20 V/10 A at 200 W Load Regulation Voltage: less than 0.01% + 2 mV



MODEL

**Agilent / Keysight
E3633A**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

E3633A

LISTING

<https://aumictechlabs.com/products/e3633a-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Keysight E3633A is a 200 W single-output DC power supply with dual-range capability, delivering stable, low-noise power for benchtop and integrated system applications. Two independent output ranges - 0 to 8 V at 0 to 20 A, or 0 to 20 V at 0 to 10 A - accommodate

diverse test requirements. Exceptional load and line regulation of 0.01% ensure output stability across operating conditions.

Technical Specifications

Output Ratings

Range 1: 0–8 V, 0–20 A
Range 2: 0–20 V, 0–10 A
Total Power: 200 W

Regulation and Accuracy

Load Regulation: 0.01%
Line Regulation: 0.01%
Programming Accuracy (voltage): $\pm 0.05\% + 10 \text{ mV}$
Programming Accuracy (current): $\pm 0.2\% + 10 \text{ mA}$
Readback Accuracy (voltage): $\pm 0.05\% + 5 \text{ mV}$
Readback Accuracy (current): $\pm 0.15\% + 5 \text{ mA}$
Ripple and Noise (20 Hz to 20 MHz) Normal-mode Voltage: $< 350 \mu\text{V}_{\text{rms}} / 3 \text{ mV}_{\text{pp}}$
Normal-mode Current: $< 2 \text{ mA rms}$
Common-mode Current: $< 1.5 \mu\text{A rms}$

Key Features

Protection circuits include overvoltage and overcurrent protection. The front panel combines a vacuum-fluorescent dual-meter display with intuitive knob control and dedicated keys for resolution selection, voltage/current switching, and output control. Three operating states can be stored and recalled. Voltage and current limits are independently settable.

Interfaces and Control

GPIB (IEEE-488) and RS-232 connectivity enable remote control. Full SCPI compatibility supports standard command syntax for integration into automated test systems. Front and rear output terminals accommodate both benchtop and rack configurations.

Physical Design

Ruggedized portable case with non-skid feet. AC mains connection requires a properly grounded three-conductor cable.

Typical Applications

Device characterization, power-supply testing, integration testing, and laboratory measurement tasks requiring precise, low-noise DC output with programmable control.

E3633A Characteristics / Specifications

PARAMETER	VALUE
Output Range Low	0 to 8 V / 20 A
Output Range High	0 to 20 V / 10 A
Total Power	200 W
Load Regulation Voltage	less than 0.01% + 2 mV
Load Regulation Current	less than 0.01% + 250 uA
Ripple Noise Voltage	less than 500 uVrms / 3 mVpp
Ripple Noise Current	less than 2 mArms
Programming Voltage Accuracy	0.05% + 10 mV
Programming Current Accuracy	0.2% + 10 mA
Readback Voltage Accuracy	0.05% + 5 mV
Readback Current Accuracy	0.15% + 5 mA
Transient Response	less than 50 us to within 15 mV
OVP OCP Accuracy	0.5% + 0.5 V / 0.5% + 0.5 A
Remote Sense Max Per Lead	0.7 V
Program Resolution	1 mV / 1 mA
Readback Resolution	0.5 mV / 1 mA
Meter Resolution Below 10 A	1 mV / 1 mA
Meter Resolution At Or Above 10 A	1 mV / 10 mA
Voltage Program Speed Up Full Load	95 ms to within 1%
Command Processing Time	less than 100 ms
Dimensions	213 mmWx 133 mmHx 348 mmDNet Weight: 9.5 kg (21 lb)
AC Input	100/115/230 Vac +/-10%, 47 to 63 Hz
Common Mode Current	less than 1.5 uArms
Output Terminals	front and rear

E3633A Specifications

PARAMETER	VALUE
HP Agilent E3633A Dual Range DC Power Supply	Overview
Key Features	Dual-range 8 V/20 A or 20 V/10 A at 200 W
Front and rear output terminals	OVP/OCP with remote programming
Remote sensing up to 0.7 V per lead	GPIB and RS-232 standard
Technical Specifications	Output Range Low: 0 to 8 V / 20 A
Notes	From Keysight E363xA Series data sheet (5968-9726). High-current meter resolution changes at 10 A per OEM supplemental table.

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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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.