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Data Sheet
August 14, 2026

AGILENT / KEYSIGHT

Agilent / Keysight E3632A DC Power Supply

HP Agilent E3632A Dual Range DC Power Supply The Agilent/Keysight E3632A is a 120 W single-output programmable linear supply with dual ranges of 0 to 15 V/7 A or 0 to 30 V/4 A. OEM E363xA datasheets list OVP/OCP, remote sensing, GPIB/RS-232, and 0.05% + 10 mV voltage programming accuracy for the single-output dual-range models. Automated bench power for 15 V and 30 V workloads, production burn-in with OVP/OCP limits, and remote-sense accurate delivery to remote loads. Dual-range 15 V/7 A or 30 V/4 A flexibility The Agilent/Keysight E3632A is a 120 W single-output programmable linear supply with dual ranges of 0 to 15 V/7 A or 0 to 30 V/4 A. OEM E363xA datasheets list OVP/OCP, remote sensing, GPIB/RS-232, and 0.05% + 10 mV voltage programming accuracy for the single-output dual-range models. Automated bench power for 15 V and 30 V workloads, production burn-in with OVP/OCP limits, and remote-sense accurate delivery to remote loads. Dual-range 15 V/7 A or 30 V/4 A flexibility OVP and OCP monitored from front panel and remote

MODEL **Agilent / Keysight E3632A**	CALIBRATION **Available on request**
CONDITION **Used**	STATUS **In stock**
RFQ / SKU **E3632A**	LISTING **https://aumictechlabs.com/products/e3632a-2/**

NIST-traceable cal · SAM registered · 30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Keysight E3632A is a 120 W single-output programmable DC power supply engineered for benchtop and system-level testing. Its dual-range output capability delivers 0–15 V at 7 A or 0–30 V at 4 A, providing flexibility across diverse power requirements. The unit produces exceptionally

clean power with normal-mode voltage ripple and noise below 350 µVrms and 2 mVpp, ensuring stable delivery to sensitive circuits.Programming and readback accuracy reach ±0.05% + 10 mV and ±0.05% + 5 mV respectively for voltage, with load and line regulation held to 0.01%. Dual vacuum-fluorescent meters display voltage and current in real time. The supply includes programmable overvoltage and overcurrent protection with independent enable/disable keys, plus remote sensing for precision load compensation.Technical Specifications Output Power: 120 W maximum Output Voltage: 0–15 V (Range 1) or 0–30 V (Range 2) Output Current: 7 A (Range 1) or 4 A (Range 2) Programming Accuracy (Voltage): ±0.05% + 10 mV Programming Accuracy (Current): ±0.2% + 10 mA Readback Accuracy (Voltage): ±0.05% + 5 mV Readback Accuracy (Current): ±0.15% + 5 mA Load and Line Regulation: 0.01% Normal-Mode Voltage Ripple & Noise (20 Hz–20 MHz): < 350 µVrms / 2 mVpp Normal-Mode Current Ripple & Noise: < 2 mA rms Common-Mode Current Ripple & Noise: < 1.5 µA rmsKey Features Dual-range output for optimized performance across voltage and current requirements Programmable overvoltage protection (OVP) and overcurrent protection (OCP) Remote sensing capability for accurate voltage regulation at the load Front-panel knob control with three-state store/recall memory Vacuum-fluorescent dual meters for simultaneous voltage and current display Front-panel lockout to prevent unauthorized changes GPIB (IEEE-488) and RS-232 remote programming interfacesTypical Applications Automated test systems requiring stable, low-noise DC power Bench testing of precision analog and mixed-signal circuits System integration where remote programmability is essential Applications demanding tight voltage and current regulationCompatibility & Integration The E3632A connects via standard GPIB and RS-232 interfaces for integration into automated test environments. Its 115 VAC input and compact benchtop form factor (8.4 × 5.2 × 13.7 inches) suit laboratory and production floor deployment. Three-year warranty. Recommended warm-up period: 1 hour before verification or calibration.

E3632A Characteristics / Specifications

PARAMETER	VALUE
Output Range Low	0 to 15 V / 7 A
Output Range High	0 to 30 V / 4 A
Total Power	120 W
Load Regulation Voltage	less than 0.01% + 2 mV
Load Regulation Current	less than 0.01% + 250 uA
Line Regulation Voltage	less than 0.01% + 2 mV
Ripple Noise Voltage	less than 350 uVrms / 3 mVpp
Ripple Noise Current	less than 500 uArms
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
OVP Activation Time At Or Above 3 V	1.5 ms
Remote Sense Max Per Lead	1 V
Program Resolution	1 mV / 0.5 mA
Readback Resolution	0.5 mV / 0.1 mA
Command Processing Time	less than 100 ms
Voltage Program Speed Up Full Load	50 ms to within 1%
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

E3632A Specifications

PARAMETER	VALUE
HP Agilent E3632A Dual Range DC Power Supply	Overview
Key Features	Dual-range 15 V/7 A or 30 V/4 A flexibility
Technical Specifications	Output Range Low: 0 to 15 V / 7 A
Notes	From Keysight E363xA Series data sheet (5968-9726). Dual-range ratings and accuracies are 12-month values at 25 C +/-5 C after warm-up.

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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Line Regulation Voltage	less than 0.01% + 2 mV
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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

OVP Activation Time At Or Above 3 V: 1.5 ms

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PARAMETER	VALUE
Remote Sense Max Per Lead	1 V
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Notes

From Keysight E363xA Series data sheet (5968-9726). Dual-range ratings and accuracies are 12-month values at 25 C +/-5 C after warm-up.

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

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