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Data Sheet
August 14, 2026

AGILENT / KEYSIGHT

Agilent / Keysight E3641A DC Power Supply

HP Agilent E3641A Programmable DC Power Supply The Agilent/Keysight E3641A is an E364xA series programmable dual-range DC power supply rated 30 W with 1 output(s). OEM E3640A to E3649A datasheet 5968-7355EN lists dual-range ratings, 0.01% load/line regulation, GPIB and RS-232 standard, and 12-month programming/readback accuracies at 25 C +/-5 C after 1-hour warm-up. R&D bench bias, production ATE power sequencing over GPIB or RS-232, and QA verification needing dual-range CV/CC rails with OVP and remote sense. The Agilent/Keysight E3641A is an E364xA series programmable dual-range DC power supply rated 30 W with 1 output(s). OEM E3640A to E3649A datasheet 5968-7355EN lists dual-range ratings, 0.01% load/line regulation, GPIB and RS-232 standard, and 12-month programming/readback accuracies at 25 C +/-5 C after 1-hour warm-up. R&D bench bias, production ATE power sequencing over GPIB or RS-232, and QA verification needing dual-range CV/CC rails with OVP and remote sense. Selectable dual output ranges for higher current or higher voltage

MODEL	CALIBRATION
Agilent / Keysight E3641A	Available on request
CONDITION	**STATUS**
Used	In stock
RFQ / SKU	**LISTING**
E3641A	https://aumictechlabs.com/products/e3641a-2/

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

NAICS 423690 · 811210 · 541380

This unit

The Keysight E3641A is a 30 W single-output DC power supply engineered for benchtop R&D, production testing, and quality assurance. Its dual-range architecture delivers 0–35 Vdc @ 0–0.8 A or 0–60 Vdc @ 0–0.5 A, enabling flexible power delivery across diverse load conditions. With

line and load regulation better than 0.01% + 3 mV (voltage) and transient response under 50 µsec, this supply maintains exceptionally clean, stable output.Voltage ripple and noise measure < 8 mVpp / 0.5 mVrms; current noise stays below 4 mArms.Technical Specifications Output Performance Dual-range outputs: 0–35 Vdc @ 0–0.8 A or 0–60 Vdc @ 0–0.5 A Line regulation: < 0.01% + 3 mV (voltage); < 0.01% + 250 µA (current) Load regulation: < 0.01% + 3 mV (voltage); < 0.01% + 250 µA (current) Voltage programming accuracy: ±0.05% + 10 mV Ripple and noise: < 8 mVpp / 0.5 mVrms (voltage); < 4 mArms (current) Transient response: < 50 µsec (15 mV recovery window, full to half load) Voltage settling time: < 90 msec Temperature coefficient: < 0.01% + 3 mV per °C 8-hour stability: < 0.02% + 2 mV Measurement & Display Vacuum fluorescent digital display with 10 mV / 1 mA meter resolution Front-panel voltage accuracy: < 0.05% + 2 counts Front-panel current accuracy: < 0.15% + 5 mA Programming resolution: < 5 mV / 1 mA; readback: < 2 mV / 1 mAKey Features Overvoltage protection (OVP) with activation time < 1.5 msec (≥ 3 V) or < 10 msec (< 3 V) GPIB (IEEE-488) and RS-232 interfaces with SCPI command support Fan-cooled design with automatic speed control for low noise Binding posts accept safety leads, banana plugs, or stripped wire Rear-panel output and sensing terminals Compact form factor: 88.5 mm H × 212.8 mm W × 348.3 mm D; 11.48 lbTypical Applications Component and subsystem characterization Automated production test benches Laboratory prototyping and circuit verificationCompatibility & Integration Supports VXI plug-and-play drivers for Keysight VEE, LabVIEW, and LabWindows under Windows 98 and NT environments. Tough handle permits easy transport and prop-up positioning.

E3641A Characteristics / Specifications

PARAMETER	VALUE
Maximum Power	30 W
Number of Outputs	1
DC Output Rating	0 to 35 V/0.8 A or 0 to 60 V/0.5 A
Load Regulation Voltage	less than 0.01% + 3 mV
Load Regulation Current	less than 0.01% + 250 uA
Line Regulation Voltage	less than 0.01% + 3 mV
Line Regulation Current	less than 0.01% + 250 uA
Ripple Noise Voltage	less than 8 mVpp / 1 mVrms
Ripple Noise Current	less than 4 mArms
Common Mode Current	less than 1.5 uArms
Programming Voltage Accuracy	less than 0.05% + 10 mV
Programming Current Accuracy	less than 0.2% + 10 mA
Readback Voltage Accuracy	less than 0.05% + 5 mV
Readback Current Accuracy	less than 0.15% + 5 mA
Meter Voltage Accuracy	less than 0.05% + 2 counts
Meter Current Accuracy	less than 0.15% + 5 mA
Program Resolution	less than 5 mV / 1 mA
Readback Resolution	less than 2 mV / 1 mA
Meter Resolution	10 mV / 1 mA
Transient Response	less than 50 us to within 15 mV half to full load
Settling Time	less than 90 ms
OVP Accuracy	less than 0.5% + 0.5 V
OVP Activation Time	less than 1.5 ms for OVP at or above 3 V; less than 10 ms below 3 V
Remote Sense Lead Drop	1 V max each load lead
Dimensions	212.6 mmWx 88.5 mmHx 348.3 mmDNet Weight: 5.2 kg

PARAMETER	VALUE
AC Input	100/115/230 Vac +/-10%, 47 to 63 Hz
Operating Temperature Rating	0 C to 40 C for stated output ratings
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General Specifications & Supplementary Characteristics

PARAMETER	VALUE
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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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Ripple Noise Voltage	less than 8 mVpp / 1 mVrms
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Readback Current Accuracy	less than 0.15% + 5 mA
Meter Voltage Accuracy	less than 0.05% + 2 counts
Meter Current Accuracy	less than 0.15% + 5 mA
Program Resolution	less than 5 mV / 1 mA
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Transient Response	less than 50 us to within 15 mV half to full load
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Notes
From Keysight E3640A to E3649A Programmable DC Power Supplies data sheet (5968-7355EN). Accuracies are 12-month values at 25 C +/-5 C after 1-hour warm-up with no load and calibration at 25 C. Dual-output Output 2 programming/readback offsets differ as noted on the OEM sheet.

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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