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Data Sheet

August 15, 2026

AGILENT / KEYSIGHT

Agilent / Keysight E4356A Telecom DC Power Supply, 70V, 30A and 80V, 26A

Agilent / Keysight E4356A Telecom DC Power Supply 2100 W The Agilent E4356A is a 2100 W telecom DC power supply with dual autoranging outputs of 0 to 70 V at up to 30 A and 0 to 80 V at up to 26 A. OEM E4356A data sheet 5968-6603E rates constant-voltage rms ripple and noise of 2 mV at 80 V, programming accuracy of 0.04 percent plus 80 mV for voltage and 0.1 percent plus 25 mA for current, and bidirectional source/sink down-programming for capacitive loads. Telecommunications switch and PBX equipment test, DC/DC converter characterization, and ATE systems needing low-noise high-power DC with integrated measurement. The Agilent E4356A is a 2100 W telecom DC power supply with dual autoranging outputs of 0 to 70 V at up to 30 A and 0 to 80 V at up to 26 A. OEM E4356A data sheet 5968-6603E rates constant-voltage rms ripple and noise of 2 mV at 80 V, programming accuracy of 0.04 percent plus 80 mV for voltage and 0.1 percent plus 25 mA for current, and bidirectional source/sink down-programming for capacitive loads. Telecommunications switch and PBX equipment test, DC/DC converter characterization, and ATE systems needing low-noise high-power DC with integrated measurement.



MODEL

**Agilent / Keysight
E4356A**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

E4356A

LISTING

<https://aumictechlabs.com/products/e4356a-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Keysight E4356A is a 2100 W telecom DC power supply delivering dual-range output with automatic switching between 0–70 V at 30 A and 0–80 V at 26 A. Built for telecommunications equipment testing, it combines low-noise performance - less than 2 mV rms across the output spectrum - with integrated measurement capabilities that eliminate the need for external voltmeters and current shunts. The unit sources and sinks current, enabling faster voltage transitions on capacitive loads without programming cycle limitations. Output noise measures 16 mV peak-to-peak in constant voltage mode and 25 mA rms in constant current mode. Programming accuracy reaches 0.04% + 80 mV for voltage and 0.1% + 25 mA for current. Load and line regulation hold at 0.002% + 3 mV for voltage and 0.005% + 2 mA for current, ensuring stable operation across input variations and load changes. Full-load programming speed covers 200 ms rise time and 475 ms fall time, with transient recovery under 900 μ s to within 0.1% of rated voltage or 20 mV. The E4356A integrates GPIB control with SCPI command language, analog remote control ports, and five nonvolatile memory locations for test configuration storage. Overvoltage, overcurrent, and overtemperature protection safeguard equipment during testing. Maximum programmable limits reach 81.9 V and 30.71 A, with OVP clamping at 96 V. No-load discharge completes in 650 ms. Serial linking allows up to 16 units on a single GPIB address with 30 m maximum cable length, scaling test infrastructure for multi-unit applications.

Features & description

From manufacturer datasheet

Built-in voltage and current readback without external shunt

SCPI GPIB programming with serial link of up to 16 units Overvoltage and overcurrent protection with down-programmer on OVP Technical Specifications Model: E4356A Instrument Type: Telecom DC power supply Output Power Class: 2100 W High Range Output: 0 to 70 V at 0 to 30 A at 0 to 45 C Low Range Output: 0 to 80 V at 0 to 26 A at 0 to 45 C Programming Accuracy Voltage: 0.04 percent plus 80 mV Programming Accuracy Current: 0.1 percent plus 25 mA Ripple Noise Cv Rms: 2 mV from 20 Hz to 20 MHz Ripple Noise Cv Peak To Peak: 16 mV Ripple Noise Cc Rms: 25 mA measured with 60 cm leads Readback Accuracy Voltage: 0.05 percent plus 120 mV Readback Accuracy Current: 0.1 percent plus 35 mA Load Regulation Voltage: 0.002 percent plus 3 mV Load Regulation Current: 0.005 percent plus 2 mA Line Regulation Voltage: 0.002 percent plus 3 mV Line Regulation Current: 0.005 percent plus 2 mA Transient Response Time: less than 900 us Maximum Programmable Voltage: 81.9 V Maximum Programmable Current: 30.71 A Maximum Overvoltage Protection: 96 V Typical Programming Resolution Voltage: 20 mV Typical Programming Resolution Current: 7.5 mA Overvoltage Programming Accuracy: 1.5 V Command Processing Time: 20 ms Output Rise Time 10 To 90 Percent Full Load: 100 ms excludes command processing

E4356A Characteristics / Specifications

PARAMETER	VALUE
Model	E4356A
Instrument Type	Telecom DC power supply
Output Power Class	2100 W
High Range Output	0 to 70 V at 0 to 30 A at 0 to 45 C
Low Range Output	0 to 80 V at 0 to 26 A at 0 to 45 C
Programming Accuracy Voltage	0.04 percent plus 80 mV
Programming Accuracy Current	0.1 percent plus 25 mA
Ripple Noise Cv Rms	2 mV from 20 Hz to 20 MHz
Ripple Noise Cv Peak To Peak	16 mV
Ripple Noise Cc Rms	25 mA measured with 60 cm leads
Readback Accuracy Voltage	0.05 percent plus 120 mV
Readback Accuracy Current	0.1 percent plus 35 mA
Load Regulation Voltage	0.002 percent plus 3 mV
Load Regulation Current	0.005 percent plus 2 mA
Line Regulation Voltage	0.002 percent plus 3 mV
Line Regulation Current	0.005 percent plus 2 mA
Transient Response Time	less than 900 us
Maximum Programmable Voltage	81.9 V
Maximum Programmable Current	30.71 A
Maximum Overvoltage Protection	96 V
Typical Programming Resolution Voltage	20 mV
Typical Programming Resolution Current	7.5 mA
Overvoltage Programming Accuracy	1.5 V
Command Processing Time	20 ms
Output Rise Time 10 To 90 Percent Full Load	100 ms excludes command processing

PARAMETER	VALUE
Output Fall Time 90 To 10 Percent Full Load	200 ms excludes command processing
Nonvolatile States	5 locations 0 through 4
Serial Link Max Units	16 on one GPIB primary address
Net Weight	27.7 kg
Shipping Weight	31.4 kg
Ac Input Frequency	47 to 63 Hz
Remote Interface	GPIB SCPI
Card Geometry	rackable high-power DC supply
Rise Time	10 To 90 Percent Full Load: 100 ms excludes command processing

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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Model	E4356A
Instrument Type	Telecom DC power supply
Output Power Class	2100 W
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Low Range Output	0 to 80 V at 0 to 26 A at 0 to 45 C
Programming Accuracy Voltage	0.04 percent plus 80 mV
Programming Accuracy Current	0.1 percent plus 25 mA
Ripple Noise Cv Rms	2 mV from 20 Hz to 20 MHz
Ripple Noise Cv Peak To Peak	16 mV
Ripple Noise Cc Rms	25 mA measured with 60 cm leads
Readback Accuracy Voltage	0.05 percent plus 120 mV
Readback Accuracy Current	0.1 percent plus 35 mA
Load Regulation Voltage	0.002 percent plus 3 mV
Load Regulation Current	0.005 percent plus 2 mA
Line Regulation Voltage	0.002 percent plus 3 mV
Line Regulation Current	0.005 percent plus 2 mA
Transient Response Time	less than 900 us
Maximum Programmable Voltage	81.9 V
Maximum Programmable Current	30.71 A
Maximum Overvoltage Protection	96 V
Typical Programming Resolution Voltage	20 mV
Typical Programming Resolution Current	7.5 mA
Overvoltage Programming Accuracy	1.5 V
Command Processing Time	20 ms
Output Rise Time 10 To 90 Percent Full Load: 100 ms excludes command processing	
Output Fall Time 90 To 10 Percent Full Load: 200 ms excludes command processing	

Specifications

PARAMETER	VALUE
Nonvolatile States	5 locations 0 through 4
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Net Weight	27.7 kg
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Notes
From Agilent E4356A Telecom dc Power Supply data sheet 5968-6603E. Below 185 Vac, derate output voltage linearly to 56.5 V per OEM footnote.

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

788 S 500 E, Pleasant Grove, UT 84062
sales@aumictech.com · +1 (484) 841-9341
<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.