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Data Sheet

August 13, 2026

AGILENT / HP / KEYSIGHT

Agilent HP Keysight E4362A Solar Array Simulator DC Module, 130V, 5A, 600W

Tables stored volatile and nonvolatile: up to 30 each Mainframe form factor: E4360A 2U up to 2 modules 1200 W Interfaces on mainframe: LAN USB GPIB LXI ClassC Publication: Keysight 5989-8485 E4360 Modular SAS datasheet Specs from Keysight E4360 Modular Solar Array Simulators datasheet 5989-8485 for standard E4362A (130 V, 5 A, 600 W). Confirm J-option variants and AC line voltage derating on the installed module. Mainframe form factor: E4360A 2U up to 2 modules 1200 W Interfaces on mainframe: LAN USB GPIB LXI ClassC Publication: Keysight 5989-8485 E4360 Modular SAS datasheet Specs from Keysight E4360 Modular Solar Array Simulators datasheet 5989-8485 for standard E4362A (130 V, 5 A, 600 W). Confirm J-option variants and AC line voltage derating on the installed module.



MODEL

**Agilent / HP /
Keysight E4362A**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

E4362A

LISTING

<https://aumictechlabs.com/products/e4362a-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Keysight E4362A Solar Array Simulator DC Module is a 600 W power module engineered to accurately simulate solar array output characteristics for testing spacecraft power systems and satellite applications. Operating as a current source with very low output capacitance, it enables rapid I-V curve transitions to model diverse environmental conditions including temperature

variations, aging, eclipses, and spin dynamics. The module supports two operational modes: direct parameter entry (V_{oc} , I_{sc} , V_{mp} , I_{mp}) for internal I-V curve generation, or download of user-defined I-V curve tables for custom simulation profiles.

Technical Specifications

Power Rating: 600 W

Maximum Output Voltage (Simulator/Table Mode): 130 V

Maximum Output Current (Simulator/Table Mode): 5 A

Fixed Mode Voltage Range: 0–120 V

Fixed Mode Current Range: 0–5 A

Programming Accuracy (Fixed Mode, 22–23°C $\pm$ 5°C): Voltage: 0.075% + 20 mV, Current: 0.2% + 10 mA

Output Ripple & Noise (20 Hz to 20 MHz): Voltage (Simulator/Table Mode): 24 mV rms, 195 mV p-p, Voltage (Fixed Mode): 24 mV rms, 150 mV p-p, Current (Fixed Mode): 2.5 mA rms, 19 mA p-p

Current Derating: 0.069 A/°C (40°C to 55°C)

Line Voltage: 100/120/200/230/240 VAC

Key Features

- Hardware trigger capability supporting up to 100 outputs in less than 500 ms
- Simultaneous data logging of voltage and current at 10 readings/sec
- Over-voltage, over-current, and over-temperature protection
- Fault detection with module shutdown in 10 microseconds

Compatibility & Integration

Installs in the Keysight E4360A Modular Solar Array Simulator mainframe, which accommodates up to two modules in a compact 2U rack configuration. Standard interfaces include LAN, USB, and GPIB.

Features & description

From manufacturer datasheet

Features

- Plug-in module for E4360A dual-output 2U SAS mainframe
- Operating modes Simulator (SAS) Table and Fixed
- Fast I-V curve update 30 ms (256 point) or 350 ms (4096 point)
- LIST mode up to 512 I-V curves with programmable dwell
- Built-in voltage and current measurement with hardware trigger
- Mainframe LAN USB and GPIB with LXI ClassC compliance

Applications

- Satellite power bus and solar array ground testing
- Photovoltaic microinverter and DC optimizer MPPT verification
- Eclipse spin and irradiance transient I-V simulation
- Synchronized multi-output ATE racks with hardware-triggered curve changes

E4362A Characteristics / Specifications

PARAMETER	VALUE
Model	E4362A
Manufacturer	Keysight / Agilent
Instrument Type	Modular Solar Array Simulator DC Module
Alias	E4362A; Keysight E4362A SAS Module
Maximum power simulator table mode	600 W
Maximum open circuit voltage Voc	130 V
Maximum voltage point Vmp	120 V
Maximum short circuit current Isc at 200 to 240 Vac	5.0 A
Maximum current point Imp at 200 to 240 Vac	5.0 A
Maximum short circuit current Isc at 100 to 120 Vac	2.5 A
Maximum current point Imp at 100 to 120 Vac	2.5 A
Fixed mode voltage range	0 to 120 V
Fixed mode current range at 200 to 240 Vac	0 to 5.0 A
Minimum impedance Fixed mode	1 ohm
Simulator table voltage programming range	0 to 130 V
Fixed mode voltage programming range	0 to 123 V
Voltage ripple Simulator table mode	24 mVrms 195 mVp-p
Voltage ripple Fixed CV mode	30 mVrms 150 mVp-p
Current ripple Simulator table mode	4 mArms 32 mAp-p
Current ripple Fixed CC mode	2.5 mArms 19 mAp-p
Programming accuracy Fixed voltage at 23 plus or minus 5 C	0.075 percent plus 50 mV

PARAMETER	VALUE
Programming accuracy Fixed current at 23 plus or minus 5 C	0.2 percent plus 10 mA
Readback accuracy voltage	0.08 percent plus 50 mV
Readback accuracy positive current	0.20 percent plus 10 mA
Load regulation Fixed CV	2 mV
Load regulation Fixed CC	1 mAVtable points high resolution: 4096 within 350 msecIVtable points fast: 256 within 30 msec
User table points per table	3 to 4000
Tables stored volatile and nonvolatile	up to 30 each
LIST curve sets	up to 512
Mainframe form factor	E4360A 2U up to 2 modules 1200 W
Interfaces on mainframe	LAN USB GPIB LXI ClassCPublication: Keysight 5989-8485 E4360 Modular SAS datasheet Notes Specs from Keysight E4360 Modular Solar Array Simulators datasheet 5989-8485 for standard E4362A (130 V, 5 A, 600 W). Confirm J-option variants and AC line voltage derating on the installed module.

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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PARAMETER	VALUE
Readback accuracy voltage	0.08 percent plus 50 mV
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Interfaces on mainframe	LAN USB GPIB LXI Class C
Publication	Keysight 5989-8485 E4360 Modular SAS datasheet

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Maximum current point Imp at 200 to 240 Vac: 5.0 A
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Maximum current point Imp at 100 to 120 Vac: 2.5 A
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Notes
 Specs from Keysight E4360 Modular Solar Array Simulators datasheet 5989-8485 for standard E4362A (130 V, 5 A, 600 W). Confirm J-option variants and AC line voltage derating on the installed module.

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.