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Data Sheet

August 13, 2026

KEITHLEY

Keithley 2268-100-8 850W DC Power Supply: 100V: 8.5A

Applications Production DC at 100 V Burn-in and environmental chambers Analog-programmed process DC Multi-supply RS-485 racks Key Features 1U half-rack density with front-to-back cooling Isolated analog inputs Internal auto-sequence lists Auxiliary 5 V and 15 V fixture rails Series (2) or parallel (4) expansion Technical Specifications Model: 2268-100-8 Manufacturer: Keithley Instruments (Tektronix) Instrument Type: Programmable DC power supply 850 W class Alias: 2268-100-8; 22681008 Maximum Output Voltage: 100 V Maximum Output Current: 8.5 A Maximum Output Power: 860 W (100 V model table) Operating Modes: CV, CC, constant power Form Factor: 1U half rack AC Input: 85 to 265 Vac single phase, 47 to 63 Hz Power Factor: 0.99 at 100/200 Vac class Efficiency Class: 83/87 percent class (100/200 Vac) Auxiliary Output 5 V: 0.



MODEL

Keithley 2268-100-8

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

2268-100-8

LISTING

<https://aumictechlabs.com/products/2268-100-8-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Keithley 2268-100-8 is an 850 W DC power supply engineered for demanding automated test applications requiring high power density in a compact footprint. It delivers maximum output of 100 V at 8.5 A, housed in a 1U high, half-rack width enclosure that minimizes rack real estate while

maintaining exceptional performance. The unit operates across three control modes - constant voltage (CV), constant current (CC), and constant power - with load regulation of $\pm 0.05\%$ (voltage) and $\pm 0.1\%$ (current), and line regulation of $\pm 0.01\%$ (voltage) and $\pm 0.05\%$ (current). Voltage ripple and noise measure ≤ 12 mV RMS and ≤ 100 mV peak-to-peak; current ripple stays ≤ 10 mA RMS. Transient response time is less than 2 ms. Programming resolution is 0.1 V and 0.01 A with $\pm 0.5\%$ accuracy on both voltage and current.

Technical Specifications

Output Characteristics

Maximum Output Voltage: 100 V Maximum Output Current: 8.5 A Maximum Output Power: 850 W Voltage Regulation (Load): $\pm 0.05\%$ of rated output voltage Current Regulation (Load): $\pm 0.1\%$ of rated output current Voltage Regulation (Line): $\pm 0.01\%$ of rated output voltage Current Regulation (Line): $\pm 0.05\%$ of rated output current Voltage Ripple & Noise: ≤ 12 mV RMS, ≤ 100 mV peak-to-peak Current Ripple: ≤ 10 mA RMS Transient Response: < 2 ms (no-load to full-load transitions) Programming Voltage Resolution: 0.1 V Current Resolution: 0.01 A Voltage Accuracy: $\pm 0.5\%$ of rated output voltage Current Accuracy: $\pm 0.5\%$ of rated output current Up-Programming Time (0 to V_{max}): 100 ms Down-Programming Time (Full Load): 80 ms AC Input Rated Input: 100 VAC to 240 VAC, 47 Hz to 63 Hz Operating Input: 85 VAC to 265 VAC continuous Input Current: 11.5 A at 100 VAC, 6 A at 200 VAC (at 850 W)

Key Features

Three control modes: CV, CC, and constant power operation Programmable foldback mode with user-defined delay for device protection Two auxiliary outputs (15 V, 5 V) for external relay/signaling control Overvoltage (OVP), overcurrent (OCP), and overtemperature (OTP) protection Interlock connection for external safety condition detection Isolated and non-isolated analog input options TTL-level and dry-contact compatible auxiliary outputs

Interfaces & Integration

Digital: LAN, USB, GPIB, RS-232, RS-485 Analog: Isolated and non-isolated inputs (voltage or resistance control) Auto sequence control for internal command execution

Typical Applications

Automated test systems, device characterization, burn-in testing, and bench-top research requiring stable, programmable power delivery with fast transient response and comprehensive protection.

2268100 Characteristics / Specifications

PARAMETER	VALUE
Model	2268-100-8
Manufacturer	Keithley Instruments (Tektronix)
Instrument Type	Programmable DC power supply 850 W class
Alias	2268-100-8; 22681008
Maximum Output Voltage	100 V
Maximum Output Current	8.5 A
Maximum Output Power	860 W (100 V model table)
Operating Modes	CV, CC, constant power
Form Factor	1U half rack
AC Input	85 to 265 Vac single phase, 47 to 63 Hz
Power Factor	0.99 at 100/200 Vac class
Efficiency Class	83/87 percent class (100/200 Vac)
Auxiliary Output 5 V	0.5 A max recommended
Auxiliary Output 15 V	0.5 A max recommended
Digital Interfaces	LAN; USB 2.0; GPIB IEEE-488.2; RS-232; RS-485
Analog Control	isolated and non-isolated analog I/O
Multi Unit Link	up to 30 supplies via RS-485
Series Operation	up to 2 units
Parallel Operation	up to 4 units
Foldback	CV/CC transition shutdown with programmable delay
Protections	OVP, UVP, OCP, overtemperature, loop protect, hardware interlock
Operating Temperature	0 to 50 C at 100 percent load
Storage Temperature	minus 20 C to 70 C
Output Connector	terminal block
Cooling	internal fans front to back

PARAMETER

VALUE

Related Family

2268-20-42 through 2268-150-5

Isolation Class

1500 Vac / 2121 Vdc input to accessible parts family Notes

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Storage temperature	minus 20 C to 70 C
Operating temperature	0 to 50 C at 100 percent load
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Output Connector	terminal block

PARAMETER	VALUE
Cooling	internal fans front to back
Related Family	2268-20-42 through 2268-150-5
Isolation Class	1500 Vac / 2121 Vdc input to accessible parts family Notes

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.

environmental chambers

Analog-programmed process DC

Multi-supply RS-485 racks

Key Features

1U half-rack density with front-to-back cooling

Isolated analog inputs

Internal auto-sequence lists

Auxiliary 5 V and 15 V fixture rails

Series (2) or parallel (4) expansion

Technical Specifications

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Specifications

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Specifications

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Isolation Class	1500 Vac / 2121 Vdc input to accessible parts family

Notes

Specs from Keithley Series 2268 datasheet (2268-100-8: 100 V, 8.5 A; 860 W on the 100 V column). Confirm faceplate current 8.5 A versus the 8 A catalog shorthand.

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>

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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.