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Data Sheet

August 13, 2026

KEITHLEY

Keithley 2268-80-10 850 Watt DC Power Supply

Applications Production and burn-in DC rails at 80 V Environmental and accelerated-life test Process-control analog-programmed DC Multi-supply racks with RS-485 daisy-chain Key Features 1U half-rack 850 W density; front-to-back airflow Isolated analog programming for noisy control lines Auto-sequence command lists executed internally Auxiliary 5 V and 15 V rails for handlers and relays Series (2) or parallel (4) master-slave expansion Technical Specifications Model: 2268-80-10 Manufacturer: Keithley Instruments (Tektronix) Instrument Type: Programmable DC power supply 850 W Alias: 2268-80-10; 22688010 Maximum Output Voltage: 80 V Maximum Output Current: 10.



MODEL

Keithley 2268-80-10

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

2268-80-10

LISTING

<https://aumictechlabs.com/products/2268-80-10-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Keithley 2268-80-10 is a single-channel, 850 W DC power supply engineered for high-power testing applications requiring stable, clean output with exceptional regulation and low noise. It delivers programmable voltage (0 V to 80 V) and current (0 A to 10 A) with $\pm 0.1\%$ voltage accuracy and $\pm 0.2\%$ current accuracy. Control options include an intuitive front-panel LCD interface with rotary encoder and tactile buttons, or remote operation via GPIB, USB 2.0, and LAN (10/100Base-T Ethernet). All remote interfaces support SCPI command protocol. Output ripple and noise remain below 5 mV peak-to-peak, with line regulation of $\leq 0.01\%$ and load regulation of

$\leq 0.05\%$ for voltage. Transient response time is $\leq 500\ \mu\text{s}$ for 50% to 100% load changes. Integrated protection includes user-selectable overvoltage protection (OVP) and overcurrent protection (OCP) limits, plus internal over-temperature protection (OTP). Output stability reaches $\leq 0.01\%$ per hour. The instrument supports programmable output on/off control and real-time voltage, current, and status monitoring via the display. This single-output design is suited for industrial test environments, research applications, and equipment development requiring precise high-power DC delivery.

Technical Specifications

Output Performance

Maximum output power: 850 W
Voltage range: 0 V to 80 V
Current range: 0 A to 10 A
Output voltage accuracy: $\pm 0.1\%$ of setting $\pm 0.05\%$ of range (typical)
Output current accuracy: $\pm 0.2\%$ of setting $\pm 0.1\%$ of range (typical)
Voltage line regulation: $\leq 0.01\%$ of range
Voltage load regulation: $\leq 0.05\%$ of range
Current line regulation: $\leq 0.1\%$ of range
Current load regulation: $\leq 0.2\%$ of range
Ripple and noise (RMS): $\leq 1\text{ mV}$
Ripple and noise (peak-to-peak): $\leq 5\text{ mV}$
Transient response (50% to 100% load change): $\leq 500\ \mu\text{s}$
Output stability: $\leq 0.01\%$ of range per hour

Key Features

Front-Panel Control
High-resolution LCD display
Rotary encoder and tactile button interface
Programmable output on/off control
User-selectable OVP and OCP settings
Remote Communication
GPIB (IEEE 488.2)
USB 2.0
LAN
Ethernet (10/100Base-T)
SCPI command support across all interfaces

Protection

Overvoltage protection (OVP)
Overcurrent protection (OCP)
Over-temperature protection (OTP)

Typical Applications

High-power component testing, automated test systems, power device characterization, and development environments requiring stable DC supplies with precise regulation.

226880 Characteristics / Specifications

PARAMETER	VALUE
Model	2268-80-10
Manufacturer	Keithley Instruments (Tektronix)
Instrument Type	Programmable DC power supply 850 W
Alias	2268-80-10; 22688010
Maximum Output Voltage	80 V
Maximum Output Current	10.5 A
Maximum Output Power	850 W
Operating Modes	CV, CC, constant power
Form Factor	1U half rack
AC Input	85 to 265 Vac single phase, 47 to 63 Hz (360 Hz class also listed)
Power Factor	0.99 at 100/200 Vac class
Efficiency Class	83/87 percent class (100/200 Vac, non-20 V models)
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 (this voltage class)
Cooling	internal fans front to back

PARAMETER	VALUE
Related Family	2268-20-42, 2268-40-21, 2268-60-14, 2268-100-8, 2268-150-5 Notes Specs from Keithley Series 2268 850 W DC Power Supplies datasheet (2268-80-10: 80 V, 10.5 A, 850 W). Catalog title may say 80 V / 10 A; OEM maximum current is 10.5 A.

General Specifications & Supplementary Characteristics

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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.

Environmental and accelerated-life test

Process-control analog-programmed DC

Multi-supply racks with RS-485 daisy-chain

Key Features

1U half-rack 850 W density; front-to-back airflow

Isolated analog programming for noisy control lines

Auto-sequence command lists executed internally

Auxiliary 5 V and 15 V rails for handlers and relays

Series (2) or parallel (4) master-slave expansion

Technical Specifications

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Specifications

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Related Family: 2268-20-42, 2268-40-21, 2268-60-14, 2268-100-8, 2268-150-5

Notes

Specs from Keithley Series 2268 850 W DC Power Supplies datasheet (2268-80-10: 80 V, 10.5 A, 850 W). Catalog title may say 80 V / 10 A; OEM maximum current is 10.5 A.

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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Technical content from manufacturer specifications. Unit photo/stock from Aumictech listing when available. Specifications subject to OEM documentation and unit condition.