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Data Sheet
August 13, 2026

KEITHLEY

Keithley 2280S-60-3 Precision Bench Power Supply

Key Features - Precision measurement supply, notaconventional power-only brick - TFT plot of stored voltage/current with statistics - List mode up to 99 points and 9 stored lists - Sink up to 0.45 A to discharge capacitive loads - Hardware trigger in and meter-ready out - KickStart and LXI web control without writing SCPI first Technical Specifications Model: 2280S-60-3 Manufacturer: Keithley / Tektronix Instrument Type: Precision measurement programmable DC power supply Alias: 2280S603; 2280S-60-3 Voltage range: 0 to 60 V Current range: 0 to 3.2 A Maximum power: 192 W Source setting accuracy voltage: ±(0.02% + 3 mV) Source setting resolution voltage: 1 mV Voltage measurement accuracy: ±(0.02% + 2 mV) at 6.5 digits, 1 PLC, filter on, autozero on Voltage measurement resolution: 0.1 mV Load regulation voltage: ±(0.

MODEL Keithley 2280S-60-3	CALIBRATION Available on request
CONDITION Used	STATUS In stock
RFQ / SKU 2280S-60-3	LISTING https://aumictechlabs.com/products/2280s-60-3-2/

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

NAICS 423690 · 811210 · 541380

This unit

The Keithley 2280S-60-3 is a precision bench power supply designed for demanding test and measurement applications requiring stable, low-noise power delivery. It has accurate voltage and current control across 0–60 V and 0–3 A, supporting up to 180 W output. The instrument delivers programmable accuracy of ±(0.05% of setting + 0.05% of range) for voltage and ±(0.1% of

setting + 0.1% of range) for current, with readback accuracy of ±(0.05% of reading + 0.02% of range) and ±(0.1% of reading + 0.05% of range) respectively. Technical Specifications Output Characteristics: Voltage: 0–60 V with 1 mV resolution Current: 0–3 A with 1 mA resolution Maximum power: 180 W Line regulation (voltage): ≤0.01% of range; (current): ≤0.1% of range Load regulation (voltage): ≤0.01% of range; (current): ≤0.1% of range Temperature coefficient (voltage): ≤0.01% of range per °C; (current): ≤0.05% of range per °C Transient response: <500 µs for 50% load change (voltage within 1% of setting) Ripple and noise (20 Hz to 20 MHz): voltage ≤1 mVrms/5 mVp-p; current ≤2 mArms Key Features Dual-channel independent control with precision measurement User-adjustable overvoltage, overcurrent, and overpower protection thresholds Over-temperature protection for thermal management List mode programming for output sequence generation Adjustable output impedance Programmability & Integration USB Device (Type-B), LAN (Ethernet), and GPIB (IEEE 488.2) interfaces SCPI command set compatibility Remote control and data transfer capabilities Typical Applications Component verification, system integration testing, research and development, production testing environments.

Features & description

From manufacturer datasheet

Features

• Precision measurement supply, notaconventional power-only brick • TFT plot of stored voltage/current with statistics • List mode up to 99 points and 9 stored lists • Sink up to 0.45 A to discharge capacitive loads • Hardware trigger in and meter-ready out • KickStart and LXI web control without writing SCPI first

2280S60 Characteristics / Specifications

PARAMETER	VALUE
Model	2280S-60-3
Manufacturer	Keithley / Tektronix
Instrument Type	Precision measurement programmable DC power supply
Alias	2280S603; 2280S-60-3
Voltage range	0 to 60 V
Current range	0 to 3.2 A
Maximum power	192 W
Source setting accuracy voltage	±(0.02% + 3 mV)
Source setting resolution voltage	1 mV
Voltage measurement accuracy	±(0.02% + 2 mV) at 6.5 digits, 1 PLC, filter on, autozero on
Voltage measurement resolution	0.1 mV
Load regulation voltage	±(0.01% + 2 mV)
Line regulation voltage	±(0.01% + 1 mV)
Output ripple voltage	less than 1 mV RMS / less than 5 mV peak to peak (20 Hz to 20 MHz)
Load transient recovery	less than 50 us to within 15 mV of Vset (50% to 100% resistive)
Slew rate default	10 V/s to 100 V/s (default 100 V/s)
Slew rate high	100 V/s to 1000 V/s limited to 10 V changes at maximum 2 A; 0 V to 10 V may use full 3.2 A
Current limit accuracy	±(0.05% + 5 mA) at 3.2 A full scale
Current limit resolution	0.1 mA
Current measure 10 mA range	10 nA resolution, ±(0.05% + 10 uA)
Current measure 100 mA range	100 nA resolution, ±(0.05% + 10 uA)
Current measure 1 A range	1 uA resolution, ±(0.05% + 250 uA)
Current measure 10 A range	10 uA resolution, ±(0.05% + 250 uA)
Minimum pulse width high ranges	140 us (1 A and 10 A ranges)
Minimum pulse width low ranges	2.1 ms (10 mA and 100 mA ranges)

PARAMETER	VALUE
Sink current	0.45 A ±15% continuous average, nonprogrammable
OVP setting accuracy	±(0.25% + 0.25 V), 125 mV resolution
OCP setting accuracy	±(0.25% + 0.10 A), 25 mA resolution
Memory buffer	2500 locations with V, I, CV/CC, timestamp
Interfaces	GPIB IEEE-488.2; LAN 10/100 LXI Core; USB TMC device; USB host
Line	100/120/220/240 V ±10%, 50/60 Hz ±3 Hz, rear selector
Line fuse 100 120 V	250 V 5 A time delay
Line fuse 220 240 V	250 V 2.5 A time delay
Operating	0 C to 40 C; ≤80% RH to 35 C
Related model	2280S-32-6 (32 V / 6 A / 192 W)

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	2280S-60-3
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Line regulation voltage	±(0.01% + 1 mV)
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Load transient recovery	less than 50 us to within 15 mV of Vset (50% to 100% resistive)
Slew rate default	10 V/s to 100 V/s (default 100 V/s)
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Current limit accuracy	±(0.05% + 5 mA) at 3.2 A full scale
Current limit resolution	0.1 mA
Current measure 10 mA range	10 nA resolution, ±(0.05% + 10 uA)
Current measure 100 mA range	100 nA resolution, ±(0.05% + 10 uA)
Current measure 1 A range	1 uA resolution, ±(0.05% + 250 uA)
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Notes
Specs from Keithley Series 2280S precision measurement DC power supplies data sheet at 23 C ±5 C after 1 hour warm-up, remote sense. Confirm 2280S-60-3 versus 2280S-32-6 on the faceplate.

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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