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Data Sheet

August 13, 2026

KEITHLEY

Keithley 2230-30-6 High Power DC Power Supplies

Applications Automotive and LED driver multi-rail power Wide-bandgap module bias Isolated digital/analog rails 375 W bench and ATE linear DC Key Features Rectangular 30 V at 6 A on CH1 and CH2 (full current at full voltage) Tracking and series/parallel combination modes 36 setup memories Password front-panel lock and per-channel voltage limits Rear and front outputs Technical Specifications Model: 2230-30-6 Manufacturer: Keithley Instruments (Tektronix) Instrument Type: Triple channel programmable linear DC power supply Alias: 2230-30-6; 2230306 Channel 1 Voltage: 0 to 30 V Channel 1 Current: 0 to 6 A Channel 2 Voltage: 0 to 30 V Channel 2 Current: 0 to 6 A Channel 3 Voltage: 0 to 5 V Channel 3 Current: 0 to 3 A Maximum Power: 375 W Voltage Limit CH1 CH2: 30.1 V Voltage Limit CH3: 5.1 V Load Regulation Voltage: less than or equal to 0.



MODEL

Keithley 2230-30-6

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

2230-30-6

LISTING

<https://aumictechlabs.com/products/2230-30-6-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Keithley 2230-30-6 is a three-channel programmable DC power supply delivering 375 W total power across independently controlled, galvanically isolated outputs. Two channels supply up to 30 V DC at 6 A each; the third provides 5 V DC at 3 A. Linear regulation ensures sub-1 mV rms

ripple and noise, protecting sensitive circuits from supply-induced disturbances. Voltage and current resolution reach 1 mV and 1 mA respectively, with basic accuracy of 0.03% for voltage and 0.1% for current.

Technical Specifications

Output Configuration: Three independent channels with galvanically isolated outputs Channel 1 & 2: 0–30 V DC, 0–6 A per channel Channel 3: 0–5 V DC, 0–3 A

Total Power: 375 W

Voltage Resolution: 1 mV

Current Resolution: 1 mA

Voltage Accuracy: $\pm 0.03\%$ (basic)

Current Accuracy: $\pm 0.1\%$ (basic)

Ripple and Noise: < 1 mV rms

Remote Sensing: All channels equipped

Output Protection: Programmable OVP and overtemperature protection per channel

Dimensions: 481.1 mm $\times$ 225.3 mm $\times$ 104.2 mm (2U, half-rack)

Weight: 11.1 kg

Key Features

Each channel independently controlled with on/off switching

Series mode: Combine two 30 V channels for up to 60 V output

Parallel mode: Combine channels for current addition (up to 12 A from two 30 V channels)

30 memory locations store complete supply configurations

Per-channel output timers for automated sequencing

Front panel numerical keypad with key lock function

Simultaneous voltage and current display across all channels

Rectangular output characteristic enables full current delivery at maximum voltage

Typical Applications

Multi-rail circuit characterization and validation

Sensitive analog and RF device testing

Manufacturing test stations requiring isolated supplies

R&D prototyping with flexible voltage/current combinations

Compatibility & Integration

USB and RS-232 interfaces standard

GPIB support available via external adapter or specific models

Programmable output limits enable fault containment

223030 Characteristics / Specifications

PARAMETER	VALUE
Model	2230-30-6
Manufacturer	Keithley Instruments (Tektronix)
Instrument Type	Triple channel programmable linear DC power supply
Alias	2230-30-6; 2230306
Channel 1 Voltage	0 to 30 V
Channel 1 Current	0 to 6 A
Channel 2 Voltage	0 to 30 V
Channel 2 Current	0 to 6 A
Channel 3 Voltage	0 to 5 V
Channel 3 Current	0 to 3 A
Maximum Power	375 W
Voltage Limit CH1 CH	30.1 V
Voltage Limit CH	5.1 V
Load Regulation Voltage	less than or equal to 0.01 percent plus 3 mV
Load Regulation Current	less than or equal to 0.01 percent plus 3 mA
Line Regulation Voltage	less than or equal to 0.01 percent plus 3 mV
Line Regulation Current	less than or equal to 0.01 percent plus 3 mA
Ripple Voltage RMS	1 mVRMS (20 Hz to 20 MHz)
Ripple Voltage PP CH1 CH	3 mVPP
Ripple Current RMS CH1 CH	4 mA
Voltage Accuracy Basic	0.03 percent
Voltage Resolution	1 mV
Current Accuracy Basic	0.1 percent
Current Resolution	1 mA
Remote Sense	each channel

PARAMETER	VALUE
Remote Interfaces	USB; RS-232
Parallel All Channels	up to 15 A
Series CH1 CH	up to 60 V at 6 A
AC Power Consumption	1000 VA
Operating Temperature	0 to 40 C
Form Factor	2U half rack
Setup Memories	36 Notes Specs from Keithley 2230-30-3 / 2230-30-6 / 2230-60-3 datasheet. Confirm 2230-30-6 (two 30 V / 6 A plus 5 V / 3 A, 375 W) versus 2230-30-3 (195 W). EU harmonic compliance uses 2230G-HRM.

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Operating temperature	0 to 40 C
Operating Temperature	0 to 40 C
Form Factor	2U half rack
Setup Memories	36 Notes Specs from Keithley 2230-30-3 / 2230-30-6 / 2230-60-3 datasheet. Confirm 2230-30-6 (two 30 V / 6 A plus 5 V / 3 A, 375 W) versus 2230-30-3 (195 W). EU harmonic compliance uses 2230G-HRM.

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	
Specifications	
PARAMETER	VALUE
Model	2230-30-6
Manufacturer	Keithley Instruments (Tektronix)
Instrument Type	Triple channel programmable linear DC power supply
Specifications	
PARAMETER	VALUE
Alias	2230-30-6; 2230306
Channel 1 Voltage	0 to 30 V
Channel 1 Current	0 to 6 A
Specifications	
PARAMETER	VALUE
Channel 2 Voltage	0 to 30 V
Channel 2 Current	0 to 6 A
Channel 3 Voltage	0 to 5 V
Specifications	
PARAMETER	VALUE
Channel 3 Current	0 to 3 A
Maximum Power	375 W
Voltage Limit CH1 CH2	30.1 V
Specifications	
PARAMETER	VALUE
Voltage Limit CH3	5.1 V
Load Regulation Voltage	less than or equal to 0.01 percent plus 3 mV
Load Regulation Current	less than or equal to 0.01 percent plus 3 mA

Specifications

PARAMETER	VALUE
Line Regulation Voltage	less than or equal to 0.01 percent plus 3 mV
Line Regulation Current	less than or equal to 0.01 percent plus 3 mA
Ripple Voltage RMS	1 mVRMS (20 Hz to 20 MHz)

Specifications

PARAMETER	VALUE
Ripple Voltage PP CH1 CH2	3 mVPP
Ripple Current RMS CH1 CH2	4 mA
Voltage Accuracy Basic	0.03 percent

Specifications

PARAMETER	VALUE
Voltage Resolution	1 mV
Current Accuracy Basic	0.1 percent
Current Resolution	1 mA

Specifications

PARAMETER	VALUE
Remote Sense	each channel
Remote Interfaces	USB; RS-232
Parallel All Channels	up to 15 A

Specifications

PARAMETER	VALUE
Series CH1 CH2	up to 60 V at 6 A
AC Power Consumption	1000 VA
Operating Temperature	0 to 40 C

Form Factor: 2U half rack

Setup Memories: 36

Notes

Specs from Keithley 2230-30-3 / 2230-30-6 / 2230-60-3 datasheet. Confirm 2230-30-6 (two 30 V / 6 A plus 5 V / 3 A, 375 W) versus 2230-30-3 (195 W). EU harmonic compliance uses 2230G-HRM.

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.