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Data Sheet

August 13, 2026

KEPCO

Kepco JQE150-7M

The Kepco JQE150-7M is a 1000-watt DC power supply housed in a full-rack form factor, engineered for laboratory research, industrial automation, and precision test applications. Built on a linear, full-dissipation series-regulator architecture with integrated circuit operational amplifier control, it delivers exceptionally low noise and ripple output. The unit combines front-panel precision with flexible external control options, supporting both analog and digital command interfaces. Front-panel current limiting control, adjustable 10%–105% of maximum output current Aumictech offers NIST-traceable calibration and repair for the Kepco JQE150-7M. All calibrations are performed to NIST-traceable standards and ship with a certificate. Turnaround is typically 1–3 business days after receipt. This Kepco JQE150-7M is listed at . Calibration is available separately from . Contact us



MODEL Kepco JQE150-7M	CALIBRATION Available on request
CONDITION Used	STATUS In stock
RFQ / SKU JQE150-7M	LISTING https://aumictechlabs.com/products/jqe150-7m-2/

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Kepco JQE150-7M is a 1000-watt DC power supply housed in a full-rack form factor, engineered for laboratory research, industrial automation, and precision test applications. Built on a linear, full-dissipation series-regulator architecture with integrated circuit operational amplifier control, it delivers exceptionally low noise and ripple output. The unit combines front-panel precision with flexible external control options, supporting both analog and digital command

interfaces. Technical Specifications Output power: 1000 W DC output voltage: 0–150 V DC output current: 0–7 A Output impedance (voltage mode): 1.1 m Ω Output inductance (voltage mode): 2 μ H Output impedance (current mode): 72 k Ω Output capacitance (current mode): 1 k μ F Maximum input current at 125 V AC: 18.0 A Key Features 10-turn voltage potentiometer for high-resolution manual adjustment Front-panel current limiting control, adjustable 10%–105% of maximum output current Analog control by resistance (1000 Ω /V) or voltage (0–1 mA) External voltage control with 0–1 V input range for full-rack models External current control potentiometer: 1 k Ω SN-series digital interface (listen-only mode) External current sensing via user-supplied sense resistor Barrier-strip programming terminals (TB204) for integration Typical Applications Laboratory research and characterization; precision power delivery in test environments; industrial process control requiring stable, regulated DC output; equipment requiring low-impedance source with minimal ripple and noise. Compatibility & Integration CE marked per Low Voltage Directive EN61010-1. IEC61010-1 (3rd Edition), EN55011 Class A (conducted and radiated), and immunity standards EN61000-4-11, EN61000-4-4 (Level 3), EN61000-4-2 (Level 4), EN61000-4-5 (Level 4), IEC61000-3-3, IEC61000-4-3, IEC61000-4-6, and IEC61000-4-8.

JQE1507M Characteristics / Specifications

PARAMETER	VALUE
Model	JQE 150-7M
Manufacturer	Kepco Inc
Instrument Type	Linear programmable DC power supply
Series	JQE
Alias	JQE 150-7M; JQE150-7M; JQE 150-7
Rated Output Voltage	0 to 150 Vdc
Rated Output Current	0 to 7 A
Rated Power Class	1050 W (150 V times 7 A)
Package	full rack JQE 1000 W class
Voltage Mode Series R	1.1 mohm
Voltage Mode Series L	2 uH
Current Mode Shunt R	72 kohm
Current Mode Shunt C	1 k uF
Max Input Current	18.0 A at 125 Vac
Topology	series pass transistor voltage stabilizer with current limiting
AC Voltage	105 to 125 or 210 to 250 Vac user selectable
AC Frequency	47 to 65 Hz
Source Effect Voltage	less than 0.0005 percent
Load Effect Voltage	less than 0.005 percent
Ripple RMS	less than 0.2 mV
Ripple PP	less than 1.0 mV
Isolation	500 Vdc or peak output to ground
Leakage RMS	less than 5 uA rms at 115 Vac
Local Voltage Control	10 turn precision rheostat
Remote Analog Voltage	1000 ohm per volt or 0 to 1 mA

PARAMETER	VALUE
Meter Analog	3 percent of full scale (M suffix)
Operating Temperature Current	0 to 71 C at 0 to 100 percent of rating
Weight Packed Class	97 lb full rack
Dimensions Full Rack	7 inch class height by 19 inch by 17 inch
Related Half Rack	JQE 150-3.5M (0 to 3.5 A) Notes
Operating temperature	Current: 0 to 71 C at 0 to 100 percent of rating

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Operating temperature	Current: 0 to 71 C at 0 to 100 percent of rating
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Related Half Rack	JQE 150-3.5M (0 to 3.5 A) 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.

Specifications	
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Instrument Type	Linear programmable DC power supply
Specifications	
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Topology	series pass transistor voltage stabilizer with current limiting

Specifications

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Local Voltage Control	10 turn precision rheostat

Specifications

PARAMETER	VALUE
Remote Analog Voltage	1000 ohm per volt or 0 to 1 mA
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Specifications

PARAMETER	VALUE
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Dimensions Full Rack	7 inch class height by 19 inch by 17 inch
Related Half Rack	JQE 150-3.5M (0 to 3.5 A)

Notes

Specs from Kepco JQE full-rack table (JQE 150-7M: 0-150 V, 0-7 A, 1.1 mohm, 2 uH, 72 kohm, 1 k uF, 18.0 A in). ConfirmMversus DM and 115 versus 230 Vac selection.

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