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Data Sheet

August 13, 2026

KEPCO

Kepco JQE15-6M

The Kepco JQE15-6M is a single-output, DC power supply designed for benchtop or system integration. It delivers 0-15V DC at 0-6A with excellent stability and low ripple. Features include voltage and current metering, remote programming capabilities, and overvoltage protection for sensitive loads.



MODEL

Kepco JQE15-6M

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

JQE15-6M

LISTING

<https://aumictechlabs.com/products/jqe15-6m-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Kepco JQE15-6M is a 100-watt DC power supply in quarter-rack form factor, engineered for laboratory and system integration applications requiring precise voltage and current regulation. It delivers 0-15V DC at 0-6A with exceptional load and line regulation, making it suitable for component characterization, device testing, and embedded power applications where stability and protection are critical. Technical Specifications Output Performance Output voltage: 0-15V DC Output current: 0-6A Output power: 100W Voltage regulation: 0.01% load / 0.001% line Current regulation: 0.02% load / 0.01% line Voltage ripple and noise: 0.02% pk-pk Current ripple and noise: 0.02% rms Voltage stability: 0.01% + 1mV over 8 hours Current stability: 0.02% + 0.5mA over 8 hours Temperature coefficient (voltage): 0.01%/°C + 0.5mV/°C Temperature coefficient (current): 0.02%/°C + 0.5mA/°C Input AC input: 115V/230V, 50-65Hz Input current (125V AC): 2.1A maximum Output Impedance Voltage mode series resistance: 125μΩ Voltage

mode series inductance: 1 μ H Current mode shunt resistance: 84k Ω Current mode shunt capacitance: 1 μ F Key Features Single-output design with independent voltage and current control 10-turn potentiometer for high-resolution voltage adjustment Adjustable current limiting (10% to 105% of maximum) Built-in overvoltage protection for load safety Analog metering via front-panel meters (standard 'M' suffix) Remote analog programming via 1000 Ω /Volt or 0–1mA control Digital interface support (SN-series, listen-only) External current-sense resistor capability CE marked per EN61010-1 and Low Voltage Directive (LVD) ISO 9001 quality certified Typical Applications Component test and validation, power device characterization, electronics bench work, embedded system powering, and OEM integration in rack-mount systems. Compatibility & Integration Operates across 0°C to +55°C ambient temperature range. Available in quarter-rack chassis with scalable 1/2 and full-rack configurations for multi-unit deployments. SN-series digital control and analog programming options enable flexible system integration.

JQE156M Characteristics / Specifications

PARAMETER	VALUE
Model	JQE 15-6M
Manufacturer	Kepeco Inc
Instrument Type	Linear programmable DC power supply
Series	JQE
Alias	JQE 15-6M; JQE15-6M; JQE 15-6
Rated Output Voltage	0 to 15 Vdc
Rated Output Current	0 to 6 A
Rated Power Class	90 W
Package	quarter rack JQE
Voltage Mode Series R	125 uohm
Voltage Mode Series L	1 uH
Current Mode Shunt R	84 kohm
Current Mode Shunt C	1 k uF
Max Input Current	2.1 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 scaleVand I (M suffix)
Operating Temperature Current	0 to 71 C at 0 to 100 percent of rating
Weight Packed Class	18 lb quarter rack
Dimensions Quarter	5 7/32 by 4 5/32 by 17 inch class Notes
Operating temperature	Current: 0 to 71 C at 0 to 100 percent of rating

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.

Specifications	
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Operating Temperature Current	0 to 71 C at 0 to 100 percent of rating

Weight Packed Class: 18 lb quarter rack

Dimensions Quarter: 5 7/32 by 4 5/32 by 17 inch class

Notes

Specs from Kepco JQE model table (JQE 15-6M: 0-15 V, 0-6 A, 125 uohm, 1 uH, 84 kohm, 1 k uF, 2.1 A in) and JQE general specifications. ConfirmMversus DM meters.

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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<https://aumictechlabs.com>

NIST-traceable calibration · SAM registered ·
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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.