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Data Sheet

August 13, 2026

KEPCO

Kepco JQE15

Four published 15 V current ratings from 6 A to 50 A Manalog or DM digital meters Current local only (ATE 15 for programmable I) Instrument Type: Linear programmable DC power supply 15 V family Alias: JQE15; JQE 15; JQE 15-6M; JQE 15-12M; JQE 15-25M; JQE 15-50M Current local only (ATE 15 for programmable I) Instrument Type: Linear programmable DC power supply 15 V family Alias: JQE15; JQE 15; JQE 15-6M; JQE 15-12M; JQE 15-25M; JQE 15-50M JQE 15 6 A: 0 to 6 A; series R 125 uohm; series L 1 uH; shunt R 84 kohm; shunt C 1 k uF; 2.1 A in; quarter rack



MODEL

Kepco JQE15

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

JQE15

LISTING

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

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Kepco JQE15 is a precision, linear, series-regulated DC power supply engineered for laboratory, industrial, and system integration applications requiring stable voltage output and short-circuit protection. Available in 1/4-rack, 1/2-rack, and full-rack configurations with output power ratings from 45 W to 500 W, the JQE15 delivers 0–15 V DC across current ranges of 6 A to 25 A depending on model selection. All-silicon design with conservatively rated components ensures reliable operation across single-phase AC input of 105–125 V or 210–250 V at 47–65 Hz with approximately 0.9 power factor. Technical Specifications DC Output Voltage range: 0–15 V DC with full-range front panel control Current output: 6 A to 25 A (model-dependent); 45 W to 500 W rated power Current limit: Adjustable 1% to 105% of maximum rated current; sharp current-

limit circuit for short-circuit proof operation Remote programming: Resistance input (1000 ohms/volt) or external control voltage (0–1 mA control current) Output impedance: Series resistance and inductance in voltage mode; shunt resistance and shunt capacitance in current mode (values specified per model) AC Input Input voltage: Selectable 105–125 V AC or 210–250 V AC Frequency: 47–65 Hz, single phase Power factor: Approximately 0.9 Physical & Environmental Cooling: Internal fan for heat dissipation Certifications: CE marked per Low Voltage Directive (LVD), EN61010-1; some M models UL® recognized Form factors: 1/4-rack, 1/2-rack, and full-rack packages Key Features Full-range voltage control from zero to nominal output voltage via multi-turn front panel rheostat Adjustable current limiting from 1% to 105% of maximum rated output current Sharp current-limit circuit prevents damage during short-circuit conditions Selectable AC input voltage accommodates global power standards Precision regulation maintains stable output under varying load conditions Typical Applications Laboratory power delivery and equipment characterization Industrial process control and manufacturing test stations System integration requiring stable, programmable voltage sources Circuit development and prototype validation Compatibility & Integration Input/Output Connectors AC input: Detachable IEC type 3-wire connector or permanently wired connection DC output: Front panel binding posts, rear barrier strip, or rear compression studs Control Interface Local 10-turn precision rheostat for voltage adjustment Analog control via external programming inputs

JQE15 Characteristics / Specifications

PARAMETER	VALUE
Model	JQE 15
Manufacturer	Kepco Inc
Instrument Type	Linear programmable DC power supply 15 V family
Series	JQE
Alias	JQE15; JQE 15; JQE 15-6M; JQE 15-12M; JQE 15-25M; JQE 15-50M
Rated Output Voltage	0 to 15 Vdc
JQE 15 6 A	0 to 6 A; series R 125 uohm; series L 1 uH; shunt R 84 kohm; shunt C 1 k uF; 2.1 A in; quarter rack
JQE 15 12 A	0 to 12 A; series R 63 uohm; series L 0.5 uH; shunt R 42 kohm; shunt C 2.7 k uF; 4.0 A in; half rack
JQE 15 25 A	0 to 25 A; series R 30 uohm; series L 0.5 uH; shunt R 20 kohm; shunt C 4.5 k uF; 8.4 A in; half rack
JQE 15 50 A	0 to 50 A; series R 15 uohm; series L 0.5 uH; shunt R 10 kohm; shunt C 12 k uF; 16.6 A in; full rack
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
Operating Temperature Current	0 to 71 C at 0 to 100 percent of rating
Meter Analog	3 percent of full scale (M suffix)

PARAMETER	VALUE
Related ATE	ATE 15-50M / ATE 15-50DM programmable current Notes Specs from Kepco JQE model table 15 V rows. Confirm current suffix (6, 12, 25, or 50 A) andMversus DM meters.
Operating temperature	Current: 0 to 71 C at 0 to 100 percent of rating

JQE15 Specifications

PARAMETER	VALUE
Kepco JQE 15 Linear DC Power Supply 0 to 15 V Family	Overview
Applications	Quiet 15 V linear lab and systems DC
Key Features	Four published 15 V current ratings from 6 A to 50 A
Technical Specifications	Model: JQE 15
Notes	Specs from Kepco JQE model table 15 V rows. Confirm current suffix (6, 12, 25, or 50 A) and M versus DM meters.

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Operating temperature	Current: 0 to 71 C at 0 to 100 percent of rating
Operating Temperature	Current: 0 to 71 C at 0 to 100 percent of rating
Operating Temperature Current	0 to 71 C at 0 to 100 percent of rating
Meter Analog	3 percent of full scale (M suffix)
Related ATE	ATE 15-50M / ATE 15-50DM programmable current Notes Specs from Kepco JQE model table 15 V rows. Confirm current suffix (6, 12, 25, or 50 A) andMversus DM meters.

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	JQE 15
Manufacturer	Kepeco Inc
Instrument Type	Linear programmable DC power supply 15 V family
Specifications	
PARAMETER	VALUE
Series	JQE
Alias	JQE15; JQE 15; JQE 15-6M; JQE 15-12M; JQE 15-25M; JQE 15-50M
Rated Output Voltage	0 to 15 Vdc
Specifications	
PARAMETER	VALUE
JQE 15 6 A	0 to 6 A; series R 125 uohm; series L 1 uH; shunt R 84 kohm; shunt C 1 k uF; 2.1 A in; quarter rack
JQE 15 12 A	0 to 12 A; series R 63 uohm; series L 0.5 uH; shunt R 42 kohm; shunt C 2.7 k uF; 4.0 A in; half rack
JQE 15 25 A	0 to 25 A; series R 30 uohm; series L 0.5 uH; shunt R 20 kohm; shunt C 4.5 k uF; 8.4 A in; half rack
Specifications	
PARAMETER	VALUE
JQE 15 50 A	0 to 50 A; series R 15 uohm; series L 0.5 uH; shunt R 10 kohm; shunt C 12 k uF; 16.6 A in; full rack
Topology	series pass transistor voltage stabilizer with current limiting
AC Voltage	105 to 125 or 210 to 250 Vac user selectable
Specifications	
PARAMETER	VALUE
AC Frequency	47 to 65 Hz

PARAMETER	VALUE
Source Effect Voltage	less than 0.0005 percent
Load Effect Voltage	less than 0.005 percent

Specifications

PARAMETER	VALUE
Ripple RMS	less than 0.2 mV
Ripple PP	less than 1.0 mV
Isolation	500 Vdc or peak output to ground

Specifications

PARAMETER	VALUE
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

Specifications

PARAMETER	VALUE
Operating Temperature Current	0 to 71 C at 0 to 100 percent of rating
Meter Analog	3 percent of full scale (M suffix)
Related ATE	ATE 15-50M / ATE 15-50DM programmable current

Notes

Specs from Kepco JQE model table 15 V rows. Confirm current suffix (6, 12, 25, or 50 A) andMversus 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

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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.