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Data Sheet

August 13, 2026

KEPCO

Kepeco JQE6

Four published 6 V current ratings from 10 A to 90 A Manalog or DM digital meters Current local only (use ATE 6 for programmable I) Instrument Type: Linear programmable DC power supply 6 V family Alias: JQE6; JQE 6; JQE 6-10M; JQE 6-22M; JQE 6-45M; JQE 6-90M Current local only (use ATE 6 for programmable I) Instrument Type: Linear programmable DC power supply 6 V family Alias: JQE6; JQE 6; JQE 6-10M; JQE 6-22M; JQE 6-45M; JQE 6-90M JQE 6 10 A: 0 to 10 A; series R 30 uohm; series L 1 uH; shunt R 50 kohm; shunt C 3 k uF; 2.0 A in; quarter rack



MODEL Kepeco JQE6	CALIBRATION Available on request
CONDITION Used	STATUS In stock
RFQ / SKU JQE6	LISTING https://aumictechlabs.com/products/jqe6-2/

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Kepco JQE6 is a precision regulated DC power supply engineered for applications demanding stable, low-noise output and fine control resolution. This half-rack configuration unit delivers programmable constant voltage and constant current operation with full-range front panel adjustment and optional remote control via resistance or control voltage input. The linear series-regulator topology, driven by integrated circuit operational amplifiers, yields output ripple below 3 mV and MIL-STD-461 compliance. Technical Specifications Output Characteristics Programmable constant voltage and constant current operation Output ripple: <3 mV Isolation: 500 V DC or p-p maximum between chassis and output terminals Common mode current: <5 μ A RMS or 50 μ A peak-to-peak at 115 V AC, 60 Hz Multiple output configurations available: 0–6 V at 45 A, 0–15 V at

12–25 A, 0–25 V at 10–20 A Input Specifications AC input: 105–125 V AC or 210–250 V AC, 50–65 Hz, single phase Power factor: ~0.9 Power ratings: 250 W and 500 W half-rack models Control & Adjustment Multi-turn front panel rheostats for voltage tuning Adjustable current limiting: 10–105% of maximum rated output current Remote voltage control: 1000 Ω per volt of output or 0–1 mA control voltage Optional remote current control (suffix "Y") Zero calibration adjustment (suffix "E") for precision programming Key Features Multi-turn controls enable precise output adjustment and measurement repeatability Optional analog meters (suffix "M") with full-scale range switches for simultaneous voltage and current monitoring Digital meter option (suffix "DM"): voltage accuracy 0.02%, current accuracy 1.5% Optional locking screwdriver-adjustable controls (suffix "L") prevent inadvertent drift Constant current operation via external sensing resistor Typical Applications Laboratory test and measurement, precision instrumentation calibration, component characterization, and systems requiring MIL-STD-461 EMC compliance. Compatibility & Integration Front panel controls and rear terminal configurations support standalone operation and integration into larger test systems via optional remote programming interfaces.

JQE6 Characteristics / Specifications

PARAMETER	VALUE
Model	JQE 6
Manufacturer	Kepeco Inc
Instrument Type	Linear programmable DC power supply 6 V family
Series	JQE
Alias	JQE6; JQE 6; JQE 6-10M; JQE 6-22M; JQE 6-45M; JQE 6-90M
Rated Output Voltage	0 to 6 Vdc
JQE 6 10 A	0 to 10 A; series R 30 uohm; series L 1 uH; shunt R 50 kohm; shunt C 3 k uF; 2.0 A in; quarter rack
JQE 6 22 A	0 to 22 A; series R 14 uohm; series L 0.5 uH; shunt R 23 kohm; shunt C 5.8 k uF; 4.2 A in; half rack
JQE 6 45 A	0 to 45 A; series R 7 uohm; series L 0.5 uH; shunt R 11 kohm; shunt C 8 k uF; 9.0 A in; half rack
JQE 6 90 A	0 to 90 A; series R 3.5 uohm; series L 0.5 uH; shunt R 3.5 kohm; shunt C 17.6 k uF; 15.7 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
Series Connection	500 V max off ground Notes Specs from Kepco JQE model table 6 V rows. Confirm current suffix (10, 22, 45, or 90 A) andMversus DM meters on the unit.
Operating temperature	Current: 0 to 71 C at 0 to 100 percent of rating

JQE6 Specifications

PARAMETER	VALUE
Kepco JQE 6 Linear DC Power Supply 0 to 6 V Family	Overview
Applications	Quiet 6 V logic-rail linear DC
Key Features	Four published 6 V current ratings from 10 A to 90 A
Technical Specifications	Model: JQE 6
Notes	Specs from Kepco JQE model table 6 V rows. Confirm current suffix (10, 22, 45, or 90 A) and M versus DM meters on the unit.

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Operating temperature	Current: 0 to 71 C at 0 to 100 percent of rating
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Operating Temperature Current	0 to 71 C at 0 to 100 percent of rating
Meter Analog	3 percent of full scale (M suffix)
Series Connection	500 V max off ground Notes Specs from Kepco JQE model table 6 V rows. Confirm current suffix (10, 22, 45, or 90 A) andMversus DM meters on the unit.

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 6
Manufacturer	Kepco Inc
Instrument Type	Linear programmable DC power supply 6 V family
Specifications	
PARAMETER	VALUE
Series	JQE
Alias	JQE6; JQE 6; JQE 6-10M; JQE 6-22M; JQE 6-45M; JQE 6-90M
Rated Output Voltage	0 to 6 Vdc
Specifications	
PARAMETER	VALUE
JQE 6 10 A	0 to 10 A; series R 30 uohm; series L 1 uH; shunt R 50 kohm; shunt C 3 k uF; 2.0 A in; quarter rack
JQE 6 22 A	0 to 22 A; series R 14 uohm; series L 0.5 uH; shunt R 23 kohm; shunt C 5.8 k uF; 4.2 A in; half rack
JQE 6 45 A	0 to 45 A; series R 7 uohm; series L 0.5 uH; shunt R 11 kohm; shunt C 8 k uF; 9.0 A in; half rack
Specifications	
PARAMETER	VALUE
JQE 6 90 A	0 to 90 A; series R 3.5 uohm; series L 0.5 uH; shunt R 3.5 kohm; shunt C 17.6 k uF; 15.7 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)
Series Connection	500 V max off ground

Notes

Specs from Kepco JQE model table 6 V rows. Confirm current suffix (10, 22, 45, or 90 A) andMversus DM meters on the unit.

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 ·
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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.