

**Aumictech**

Test & measurement · bought, sold, repaired, calibrated

Data Sheet

August 13, 2026

KEPCO

Kepeco JQE25

Instrument Type: Linear programmable DC power supply 25 V family Alias: JQE25; JQE 25; JQE 25-4DM; JQE 25-40DM; JQE 25-4M JQE 25 4 A: 0 to 4 A; quarter rack (JQE 25-4DM / 25-4M) JQE 25 40 A: 0 to 40 A; full rack (JQE 25-40DM) Alias: JQE25; JQE 25; JQE 25-4DM; JQE 25-40DM; JQE 25-4M JQE 25 4 A: 0 to 4 A; quarter rack (JQE 25-4DM / 25-4M) JQE 25 40 A: 0 to 40 A; full rack (JQE 25-40DM) Topology: series pass transistor voltage stabilizer with current limiting



MODEL

Kepeco JQE25

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

JQE25

LISTING

<https://aumictechlabs.com/products/jqe25-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Kepco JQE25-4M is a 100-watt DC power supply engineered for benchtop and system integration applications requiring precise voltage regulation with minimal noise. This quarter-rack supply delivers 0–25 V adjustable output at 0–4 A, featuring ultra-low output ripple below 3 mV and exceptional control resolution via a 10-turn voltage potentiometer. Dual control modes - analog programming by external resistance (1000 Ω /Volt) or voltage (0–1 mA) - enable flexible integration into automated test systems. The front panel current limiter adjusts from 10% to 105% of maximum output current, while remote programming supports external voltage or resistance control. Output impedance is exceptionally low: 300 $\mu\Omega$ series resistance and 1 μ H series inductance in voltage mode; 125 k Ω shunt resistance and 700 μ F shunt capacitance in current mode. Technical Specifications Output Power: 100 W DC Output Voltage: 0–25 V (adjustable) DC

Output Current: 0–4 A (adjustable) Output Ripple & Noise: <3 mV Voltage Mode Output Impedance: 300 $\mu\Omega$ series resistance, 1 μH series inductance Current Mode Output Impedance: 125 k Ω shunt resistance, 700 μF shunt capacitance Voltage Control: 10-turn potentiometer; analog control by resistance (1000 Ω /Volt) or voltage (0–1 mA) Current Limiting: Front panel adjustment, 10%–105% of maximum output current Input Power: 115/230 V AC; 2.2 A maximum at 125 V AC

Key Features Quarter-rack form factor for space-constrained installations Analog remote programming via external resistance or voltage Digital control compatible with SN-series interfaces MIL-STD-461 compliant CE marked per EN61010-1, EMC and RoHS 2 Directives UL recognized

Typical Applications Laboratory characterization, automated test systems, sensitive circuit powering, current-limiting applications, and OEM rack-mounted assemblies.

Compatibility & Integration Designed for quarter, half, and full-rack configurations. Available in modular versions for OEM rack-mounted systems. Remote programming documentation included in operator's manual.

Features & description

From manufacturer datasheet

Features

- Published 25 V ratings from 4 A quarter-rack to 40 A full-rack • M analog or DM digital meters • SN/SNR 12-bit listen-only digital option • Current not remotely programmable on standard JQE (use ATE) • Optional locking screwdriver voltage controls

JQE25 Characteristics / Specifications

PARAMETER	VALUE
Model	JQE 25
Manufacturer	Kepco Inc
Instrument Type	Linear programmable DC power supply 25 V family
Series	JQE
Alias	JQE25; JQE 25; JQE 25-4DM; JQE 25-40DM; JQE 25-4M
Rated Output Voltage	0 to 25 Vdc
JQE 25 4 A	0 to 4 A; quarter rack (JQE 25-4DM / 25-4M)
JQE 25 40 A	0 to 40 A; full rack (JQE 25-40DM)
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 no load to full load
Ripple RMS	less than 0.2 mV
Ripple PP	less than 1.0 mV (20 Hz to 10 MHz)
Time Drift Voltage	less than 0.01 percent class 8 hour
Temperature Coefficient Voltage	less than 0.01 percent perCIsolation: 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)
Meter Digital	DM suffix
Related ATE	ATE 25 family when programmable current is required
Form quarter	100 W class JQE 25-4

PARAMETER

VALUE

Form full

1000 W class JQE 25-40 UL: JQE family UL recognized CE: JQE CE marked per LVD, EMC, RoHS 2 (family)

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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Operating Temperature Current	0 to 71 C at 0 to 100 percent of rating
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Meter Digital	DM suffix
Related ATE	ATE 25 family when programmable current is required
Form quarter	100 W class JQE 25-4
Form full	1000 W class JQE 25-40 UL: JQE family UL recognized CE: JQE CE marked per LVD, EMC, RoHS 2 (family) Notes Specs from Kepco JQE general specifications and published JQE 25-4 / JQE 25-40 catalog members. Confirm the current suffix andMversus DM meters on the faceplate. Do not invent intermediate series-R values if the exact JQE 25 row is unread.

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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Alias	JQE25; JQE 25; JQE 25-4DM; JQE 25-40DM; JQE 25-4M
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JQE 25 4 A	0 to 4 A; quarter rack (JQE 25-4DM / 25-4M)
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PARAMETER	VALUE
Form full	1000 W class JQE 25-40
UL	JQE family UL recognized
CE	JQE CE marked per LVD, EMC, RoHS 2 (family)

Notes

Specs from Kepco JQE general specifications and published JQE 25-4 / JQE 25-40 catalog members. Confirm the current suffix andMversus DM meters on the faceplate. Do not invent intermediate series-R values if the exact JQE 25 row is unread.

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.