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Data Sheet

August 13, 2026

KEPCO

Kepco ATE25-40M

The Kepco ATE25-40M is a 1000 W programmable DC power supply engineered for laboratory and industrial test environments requiring precise voltage and current regulation. This analog-controlled linear supply operates in constant voltage (CV) and constant current (CC) modes with automatic crossover, delivering 0–25 VDC at 0–40 ADC. Selectable Normal and Fast programming modes accommodate different response requirements, while low-noise output (< 0.1 mV RMS, < 1 mV peak-to-peak in slow mode) and tight load regulation ($< 0.01\%$ E_0) ensure measurement accuracy across demanding applications. Input: 95–125 VAC or 190–250 VAC (factory-configured), 47–65 Hz, 20 A @ 115 V / 10 A @ 230 V Output Impedance (Voltage Mode): 12.5 m Ω series resistance, 1 μ H series inductance Remote programming via PC-12 mating plug with voltage signal or two-terminal resistance configuration



MODEL

Kepco ATE25-40M

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

ATE25-40M

LISTING

<https://aumictechlabs.com/products/ate25-40m-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

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mV peak-to-peak in slow mode) and tight load regulation ($< 0.01\% E_0$) ensure measurement accuracy across demanding applications. Technical Specifications Output: 0–25 VDC, 0–40 ADC (1000 W maximum) Input: 95–125 VAC or 190–250 VAC (factory-configured), 47–65 Hz, 20 A @ 115 V / 10 A @ 230 V Line Regulation: $< 0.0005\% E_0$ max Load Regulation: $< 0.01\% E_0$ max (voltage mode) Drift (8-hour): $< 0.005\% E_0$ max Output Impedance (Voltage Mode): 12.5 m Ω series resistance, 1 μ H series inductance Output Impedance (Current Mode): 50 k Ω shunt resistance, 4 μ F shunt capacitance Programming Bandwidth: 8.0 kHz minimum Programming Time Constant: 20 μ sec (slow mode) Key Features 10-turn precision potentiometers for local voltage and current control Remote programming via PC-12 mating plug with voltage signal or two-terminal resistance configuration Programmable crowbar-type overvoltage protection with external signal control Automatic CV/CC mode crossover with optically isolated TTL-compatible mode flag output Full zeroing and full-scale calibration on both voltage and current channels Analog front-panel meters for real-time voltage and current monitoring Typical Applications Precision equipment testing, device characterization, system integration tasks, and calibration work in environments requiring stable, low-noise DC power with fast transient response. Compatibility & Integration PC-12 rear connector supports configurable jumper-based control and flag signal access for V/C mode indication.

ATE2540M Characteristics / Specifications

PARAMETER	VALUE
Model	ATE 25-40M
Manufacturer	Kepeco Inc
Instrument Type	Precision linear programmable DC power supply
Series	ATE
Alias	ATE 25-40M; ATE25-40M; ATE 25-40
Rated Output Voltage	0 to 25 Vdc
Rated Output Current	0 to 40 A
Rated Power	1000 W class
Package	full rack SizeE Voltage Mode Series L: 1 uH
Voltage Mode Series R	12.5 uohm
Stabilizer	automatic crossover voltage/current
Source Effect Voltage Typ	less than 0.0005 percent of Eo max
Load Effect Voltage Typ	less than 0.001 percent of Eo max
Ripple Slow RMS	less than 0.1 mV typical
Ripple Slow PP	less than 1 mV typical
Ripple Fast RMS	less than 1 mV typical
Local Voltage Control	10 turn rheostat
Local Current Control	10 turn rheostat
Meters	analog (M suffix)
Remote Analog	voltage and current channels
Fast Mode	optional
Mode Flag	optically isolated TTL
Error Sense	0.5 V per load wire
Isolation	500 Vdc class
Related Digital	ATE 25-40DM

PARAMETER	VALUE
Related GPIB	ATE 25-40DMG
Related JQE	JQE 25-40M
Agency	CE LVD and EMC ATE family
Weight Packed Class	97 lb full rack JQE/ATE class 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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Specifications

PARAMETER	VALUE
Ripple Fast RMS	less than 1 mV typical
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Specifications

PARAMETER	VALUE
Meters	analog (M suffix)
Remote Analog	voltage and current channels
Fast Mode	optional

Specifications

PARAMETER	VALUE
Mode Flag	optically isolated TTL
Error Sense	0.5 V per load wire
Isolation	500 Vdc class

Specifications

PARAMETER	VALUE
Related Digital	ATE 25-40DM
Related GPIB	ATE 25-40DMG
Related JQE	JQE 25-40M

Agency: CE LVD and EMC ATE family

Weight Packed Class: 97 lb full rack JQE/ATE class

Notes

Specs from Kepco ATE full-rack table (ATE 25-40M: 0-25 V, 0-40 A, 1 uH, 12.5 uohm). ConfirmMversus DM/DMG.

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.