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Data Sheet

August 13, 2026

KEPCO

Kepeco ATE100

Instrument Type: Precision linear programmable DC power supply Alias: ATE100; ATE 100-0.5M; ATE 100-2.5M; ATE 100-5M; ATE 100-10M Rated Output Voltage: 0 to 100 Vdc (all ATE 100 models) ATE 100 0.5 Power: 50 W class SizeAquarter rack Alias: ATE100; ATE 100-0.5M; ATE 100-2.5M; ATE 100-5M; ATE 100-10M Rated Output Voltage: 0 to 100 Vdc (all ATE 100 models) ATE 100 0.5 Power: 50 W class SizeAquarter rack ATE 100 2.5 Power: 250 W class SizeHalf rack



MODEL

Kepeco ATE100

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

ATE100

LISTING

<https://aumictechlabs.com/products/ate100-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Kepeco ATE100 is a precision analog-controlled DC power supply engineered for laboratory and industrial applications requiring stable, reliable power delivery. It combines voltage and current stabilization modes with automatic crossover, full-range front-panel potentiometer control, and optional programmability via analog (0-10V) or digital interfaces. The unit delivers up to 1000 W in full-rack configurations and features programmable overvoltage protection, low-noise cooling, and multiple readout options including analog meters or digital LCD displays. Technical Specifications Power Output: 1000 W (full-rack models) Control Architecture: Analog-controlled with linear, fully dissipative NPN pass transistor section Output Modes: Voltage stabilization, current stabilization, and automatic mode crossover Programming Options: 10-turn front-panel potentiometers for full-range control; 0-10 V analog programming; optional digital programming

via LCD display (DM suffix); optional IEEE-488 digital control (SN-series interfaces) Operating Modes: User-selectable slow or fast response; optional fast mode for rapid programming Overvoltage Protection: Programmable protector with manual front-panel adjustment or 0-10 V analog signal programming Ripple and Noise: <0.1 mV rms, <1 mV p-p typical in slow mode (model-dependent); ATE 325-0.8M: 10 mV rms maximum, 50 mV p-p maximum Offset Control: High-gain, zeroable offsets for precise voltage tracking or variable resistance control Output Impedance: Frequency-dependent series resistance/inductance (voltage mode) and shunt resistance/capacitance (current mode); tabulated values provided Input Voltage: Selectable ranges - 95-113 V, 105-125 V, 190-226 V, 210-250 V AC; 47-65 Hz Operating Temperature: 0 °C to 65 °C; 10% output current derating required above 55 °C Storage Temperature: -40 °C to 85 °C Cooling: High-efficiency single-bearing fan with low-noise non-metallic blades Key Features Mode-status LEDs on front panel Optional analog meters (M suffix) or digital LCD readouts (DM suffix) for voltage and current monitoring Multiple output voltage and current configurations (e.g., 0-100 V / 0-10 A, 0-100 V / 0-1 A, 0-100 V / 0-2.5 A) Compatibility & Integration Analog 0-10 V programming interface and optional IEEE-488 digital control enable integration into automated test and measurement systems.

Features & description

From manufacturer datasheet

Features

- 100 V ATE family spanning 50 W to 1000 W racks
- Programmable voltage and current with automatic crossover
- Optional user-selectable fast mode
- Optically isolated mode flag
- 10-turn local V and I (L suffix locking screwdriver controls)
- Built-in programmable OVP; CE LVD and EMC ATE family

ATE100 Characteristics / Specifications

PARAMETER	VALUE
Model	ATE 100 family
Manufacturer	Kepeco Inc
Instrument Type	Precision linear programmable DC power supply
Series	ATE
Alias	ATE100; ATE 100-0.5M; ATE 100-2.5M; ATE 100-5M; ATE 100-10M
Rated Output Voltage	0 to 100 Vdc (all ATE 100 models)
ATE 100 0.5 Current	0 to 0.5 A
ATE 100 0.5 Power	50 W class SizeAquarter rack
ATE 100 0.5 Series L	4 uH
ATE 100 0.5 Series R	4 mohm
ATE 100 2.5 Current	0 to 2.5 A
ATE 100 2.5 Power	250 W class SizeChalf rack
ATE 100 2.5 Series L	4 uH
ATE 100 2.5 Series R	0.8 mohm
ATE 100 5 Current	0 to 5 A
ATE 100 5 Power	500 W class SizeDthree quarter rack
ATE 100 5 Series L	4 uH
ATE 100 5 Series R	0.4 mohm
ATE 100 10 Current	0 to 10 A
ATE 100 10 Power	1000 W class SizeEfull rack
ATE 100 10 Series L	4 uH
ATE 100 10 Series R	0.2 mohm
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

PARAMETER	VALUE
Time Drift 8 Hour Typ	less than 0.005 percent of Eo max
Ripple Slow RMS	less than 0.1 mV typical
Ripple Slow PP	less than 1 mV typical (20 Hz to 10 MHz)
Ripple Fast RMS	less than 1 mV typical
Ripple Fast PP	less than 10 mV typical
Local Voltage Control	10 turn rheostat
Local Current Control	10 turn rheostat
Meters Analog	M suffix
Meters Digital	DM suffix
Remote Analog	both voltage and current channels
Fast Mode	optional user selectable
Mode Flag	optically isolated TTL
Error Sense	0.5 V per load wire
Isolation	500 Vdc class
OVP	built-in programmable overvoltage protection
Agency	CE LVD and EMC ATE family
Related JQE	JQE 100 V models are voltage stabilizer with current local only

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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Model	ATE 100 family
Manufacturer	Kepco Inc
Instrument Type	Precision linear programmable DC power supply
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ATE 100 0.5 Series R	4 mohm
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ATE 100 2.5 Power	250 W class SizeChalf rack
ATE 100 2.5 Series L	4 uH
ATE 100 2.5 Series R	0.8 mohm
ATE 100 5 Current	0 to 5 A
ATE 100 5 Power	500 W class SizeDthree quarter rack
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ATE 100 10 Series L	4 uH
ATE 100 10 Series R	0.2 mohm
Stabilizer	automatic crossover voltage/current
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Ripple Slow RMS	less than 0.1 mV typical
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Ripple Fast RMS	less than 1 mV typical
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Local Voltage Control	10 turn rheostat
Local Current Control	10 turn rheostat
Meters Analog	M suffix
Meters Digital	DM suffix
Remote Analog	both voltage and current channels
Fast Mode	optional user selectable
Mode Flag	optically isolated TTL
Error Sense	0.5 V per load wire
Isolation	500 Vdc class
OVP	built-in programmable overvoltage protection
Agency	CE LVD and EMC ATE family
Related JQE	JQE 100 V models are voltage stabilizer with current local only

Notes

Model rows from the Kepco ATE unipolar table (ATESPECS): ATE 100-0.5M 0-100 V 0-0.5 A 4 uH 4 mohm; ATE 100-10M 0-100 V 0-10 A 4 uH 0.2 mohm. Static ripple and source/load effect from the ATE static specifications. Confirm M versus DM/G/DMG suffix and which 100 V current rating is on the faceplate. This family file is not a substitute for a meter-suffix-specific listing when the installed unit is identified as ATE 100-2.5DMG or similar.

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.