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Data Sheet

August 13, 2026

KEPCO

Kepco ATE15-50DM

The Kepco ATE15-50DM is a programmable DC power supply, part of the ATE series, offering stable and precise voltage and current output. With a voltage range of 0-15V and a current range of 0-50A, it is suitable for laboratory, research, and industrial applications. The DM suffix indicates digital metering for accurate monitoring.

**MODEL****Kepco ATE15-50DM****CALIBRATION****Available on request****CONDITION****Used****STATUS****In stock****RFQ / SKU****ATE15-50DM****LISTING**<https://aumictechlabs.com/products/ate15-50dm-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Kepco ATE15-50DM is a precision linear programmable DC power supply delivering 1000 W across a 0–15 VDC and 0–50 ADC range. Built for laboratory, research, and industrial test environments, this full-rack unit combines analog control stability with digital metering for accurate real-time output monitoring. Automatic crossover between voltage and current modes, coupled with selectable Slow and Fast operating modes, enables both steady-state regulation and dynamic response. Low-noise fan cooling and CE marking per LVD, EN61010-1, and EMC Directives ensure quiet, compliant operation in demanding test setups. Technical Specifications Output Performance Voltage Range: 0–15 VDC; Current Range: 0–50 ADC Power Output: 1000 W Ripple & Noise (Slow Mode): <0.1 mV RMS, <1 mV peak-to-peak Ripple & Noise (Fast Mode): <0.3 mV RMS, <3 mV peak-to-peak Load Regulation (Voltage Mode): 2 mA typical, 5 mA max. Load Regulation (Current Mode): 0.01% Io max. (Slow), 0.03% Io max. (Fast) Drift (8-hour): <0.005%

E_o , $<0.01\%$ I_o Output Impedance (Voltage Mode): $R_s = 6\text{ m}\Omega$, $L_s = 0.5\text{ }\mu\text{H}$ Output Impedance (Current Mode): $R_p = 30\text{ k}\Omega$, $C_s = 5\text{ }\mu\text{H}$ Key Features Panel-mounted 10-turn rheostats for high-resolution local voltage and current control Fully programmable via 0–10 V analog signal with two uncommitted amplifiers for signal conditioning Programmable overvoltage crowbar protection, adjustable manually or via 0–10 V signal Remote error sensing terminals for external feedback integration Optically isolated TTL-compatible flag signal output Selectable Slow Mode (constant voltage applications) and Fast Mode (dynamic load transients) Typical Applications Device characterization and component testing in R&D environments Automated test equipment (ATE) requiring stable, programmable supplies Transient response and load regulation validation Precision analog circuit development and validation Compatibility & Integration Designed for integration into test racks and automated systems via analog programming signals and optically isolated control lines. Dual uncommitted amplifiers enable custom signal scaling and summing for multi-channel test configurations.

ATE1550DM Characteristics / Specifications

PARAMETER	VALUE
Model	ATE 15-50DM
Manufacturer	Kepeco Inc
Instrument Type	Precision linear programmable DC power supply
Series	ATE
Alias	ATE 15-50DM; ATE15-50DM; ATE 15-50
Rated Output Voltage	0 to 15 Vdc
Rated Output Current	0 to 50 A
Rated Power	750 W to 1000 W class (15 V times 50 A)
Package	full rack Size E 1000 W
Voltage Mode Series L	0.5 uH
Voltage Mode Series R	6 uohm
Current Mode ShuntCClass	6 uF (ATE 15-50 table)
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	digital (DM)
Remote Analog	voltage and current channels
Fast Mode	optional
Mode Flag	optically isolated TTL
Error Sense	0.5 V per load wire

PARAMETER	VALUE
Isolation	500 Vdc class
Related GPIB	ATE 15-50DMG
Related Analog Meter	ATE 15-50M
Related JQE	JQE 15-50M
Agency	CE LVD and EMC ATE family 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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Local Current Control	10 turn rheostat
Meters	digital (DM)

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Remote Analog	voltage and current channels
Fast Mode	optional
Mode Flag	optically isolated TTL

Specifications

PARAMETER	VALUE
Error Sense	0.5 V per load wire
Isolation	500 Vdc class
Related GPIB	ATE 15-50DMG

Specifications

PARAMETER	VALUE
Related Analog Meter	ATE 15-50M
Related JQE	JQE 15-50M
Agency	CE LVD and EMC ATE family

Notes

Specs from Kepco ATE full-rack table (ATE 15-50M: 0-15 V, 0-50 A, 0.5 uH, 6 uohm). DM is digital meters; confirm versusManalog and DMG GPIB.

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.