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Data Sheet

August 13, 2026

KEPCO

Kepco ATE55-5M

The Kepco ATE55-5M is a power supply designed for providing stable and reliable DC power. It features adjustable voltage and current settings, overload protection, and remote programming capabilities. Ideal for laboratory, industrial, and research applications requiring precise power control.



MODEL

Kepco ATE55-5M

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

ATE55-5M

LISTING

<https://aumictechlabs.com/products/ate55-5m-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Kepco ATE55-5M is a precision analog-controlled half-rack DC power supply delivering 0–55V at 0–5A (250W) with automatic voltage and current stabilization. Independent front-panel potentiometers provide full-range output control, while dual analog meters continuously display voltage and current. A linear NPN pass transistor section driven by high-gain IC amplifiers ensures stable, low-noise operation. Selectable slow and fast modes accommodate constant-voltage applications and rapid transient response respectively. The slow mode achieves <0.1mV RMS ripple and <1mV peak-to-peak noise. Technical Specifications Output: 0–55V DC, 0–5A DC Power Output: 250W Ripple & Noise (Slow Mode): <0.1mV RMS, <1mV peak-to-peak Programming Bandwidth: 4.0 kHz (voltage mode, 55V); 10 µsec time constant (current mode, 5A) Output Impedance: 110 kΩ (current mode); 10 µH (voltage mode) Input: Factory-configured for 95–113V, 105–125V, 190–226V, or 210–250V AC (47–65 Hz) Operating Modes: User-selectable slow

(constant voltage) or fast (transient response) Key Features 10-turn potentiometers for precise front-panel voltage and current adjustment Fully programmable via rear connector with 0–10V analog signal input Programmable overvoltage protector (OVP) with manual and remote setpoints LED indicators for operating mode status Remote sensing terminals for error compensation Mode crossover flag signal available at rear connector High-gain amplifiers with zeroable offsets Typical Applications Precision analog control environments requiring ultra-low noise output and stable regulation across variable loads. Fast-mode operation supports applications demanding rapid voltage settling or current-limiting behavior with changing load impedance. Compatibility & Integration Rear programming connector accepts analog control signals and provides remote monitoring outputs. Remote sensing and output capacitor terminals enable low-impedance distribution and local energy storage at load points.

ATE555M Characteristics / Specifications

PARAMETER	VALUE
Model	ATE 55-5M
Manufacturer	Kepeco Inc
Instrument Type	Precision linear programmable DC power supply
Series	ATE
Alias	ATE 55-5M; ATE55-5M; ATE 55-5
Rated Output Voltage	0 to 55 Vdc
Rated Output Current	0 to 5 A
Rated Power	275 W class (55 V times 5 A); 250 W SizeCfamily
Package	half rack Size C 250 W
Voltage Mode Series L	2 uH
Voltage Mode Series R	0.22 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
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 3 percent class (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

PARAMETER	VALUE
Related Digital Meter	ATE 55-5DM
Related Full Rack	ATE 55-20M 0 to 20 A
Related JQE	JQE 55-5M
Agency	CE LVD and EMC ATE family
Operating Manual Group	ATE 1/2 rack 250 W (ATE 55-5 listed) 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 Slow PP	less than 1 mV typical
Ripple Fast RMS	less than 1 mV typical
Local Voltage Control	10 turn rheostat

Specifications

PARAMETER	VALUE
Local Current Control	10 turn rheostat
Meters	analog 3 percent class (M suffix)
Remote Analog	voltage and current channels

Specifications

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Fast Mode	optional
Mode Flag	optically isolated TTL
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Specifications

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Agency	CE LVD and EMC ATE family
Operating Manual Group	ATE 1/2 rack 250 W (ATE 55-5 listed)

Notes

Specs from Kepco ATE 250 W table (ATE 55-5M: 0-55 V, 0-5 A, 2 uH, 0.22 mohm) and ATE static specifications. ConfirmMversus DM meters.

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.