

**Aumictech**

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Data Sheet

August 13, 2026

KEPCO

Kepeco DPS-12.5-6M

The Kepco DPS-12.5-6M is a single-output, programmable DC power supply. It delivers a voltage range of 0-12.5V and a current range of 0-6A, with a power rating of 75W. Designed for benchtop or system integration, it features remote control capabilities, allowing for seamless integration into automated testing and control systems. The DPS series provides stable and precise power, making it suitable for a variety of applications.



MODEL

Kepeco DPS-12.5-6M

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

DPS-12.5-6M

LISTING

<https://aumictechlabs.com/products/dps-12-5-6m-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Kepco DPS-12.5-6M is a 75 W single-output programmable DC power supply for benchtop use or system integration. It delivers 0-12.5 V DC at 0-6 A with automatic crossover between voltage and current regulation modes. The front-panel keypad controls voltage, current limit, range, and OVP settings with separate LED displays for voltage and current readout. RS-232 connectivity via KOIB protocol enables remote control from BASIC or standard programming languages. Remote sensing compensates for up to 0.5 V drop per output lead. Fast voltage recovery under step load current occurs in less than 50 microseconds, with no overshoot above 25% voltage setting. The unit operates from single-phase AC mains without range selection and provides 500 V isolation to chassis. Technical Specifications Output voltage: 0-12.5 V DC Output current: 0-6 A DC Power rating: 75 W Input current (max load @ 110 VAC): 1.7 A Voltage/current

regulation: Automatic crossover Remote sensing: ± 0.5 V drop compensation per output lead
Voltage recovery (step load): < 50 microseconds Overshoot (turn-on/off): None above 25%
voltage setting; negligible below 25% when preloaded to 100% minimum Isolation voltage: 500 V
to chassis Control signal: 10 mA control current at 100 ohms per volt, or ± 5 V ± 1 mA analog control
DIP switch: 8-position for KOIB address and baud rate (default: address 1, 9600 baud) Key
Features Dual-mode front-panel and remote control via RS-232 KOIB protocol support with
software examples in QuickBASIC Large-character LED displays for real-time voltage and current
monitoring Forced-air cooling with built-in blower Barrier strip rear panel with separate heavy-
duty output terminals FED. STD. 595 light gray finish (Color 26440) Removable side handles and
skids available Typical Applications Automated testing and control systems Research and
laboratory power sourcing System integration requiring precise voltage and current regulation
Compatibility & Integration Rack mounting is supported via the RA 56 rack adapter. RS-232
interface accommodates integration into multi-instrument test setups using BASIC and standard
programming languages.

DPS1256M Characteristics / Specifications

PARAMETER	VALUE
Model	DPS 12.5-6M
Manufacturer	Kepeco Inc
Instrument Type	Linear DC power supply DPS series
Series	DPS
Alias	DPS-12.5-6M; DPS 12.5-6M; DPS12.5-6M
Rated Output Voltage	0 to 12.5 Vdc
Rated Output Current	0 to 6 A
Rated Power Class	75 W (12.5 V times 6 A)
Meters	analog (M suffix)
Topology	series pass linear
Stabilizer	voltage stabilizer with current limiting class
Voltage Control	10 turn class
Current Control	local limit class
AC Voltage Class	105 to 125 / 210 to 250 Vac Kepeco linear family
AC Frequency Class	47 to 65 Hz
Isolation Class	500 Vdc output to ground Kepeco linear
Ripple Class	millivolt rms linear family (confirm DPS sheet)
Error Sense	0.5 V per wire class when sense terminals exist
Outputs	front binding posts class
Form	bench DPS chassis
Related Linear 15 V	JQE 15-6M 0 to 15 V 0 to 6 A
Related MSK	MSK 10-10M 0 to 10 V 0 to 10 A
Cooling	convection or fan DPS size

PARAMETER	VALUE
Operating Temperature	bench linear class Notes Identity from Kepco DPS 12.5-6M model marking (0-12.5 V, 0-6 A, analog meters). Dual versus single output and exact ripple belong on the DPS instruction sheet; confirm faceplate channel count.

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Operating temperature	bench linear class
Operating Temperature	bench linear class

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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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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<https://aumictechlabs.com>

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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.