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Data Sheet

August 14, 2026

ELGAR

Elgar AT8000 32V DC Power Module

Elgar DC Power Supplies. Voltage: ** Up to 32V DC per module., Current: ** For 32V modules, Frequency Range: ** 45 Hz to 10.



MODEL

Elgar AT8000A-32V

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

AT8000A-32V

LISTING

<https://aumictechlabs.com/products/at8000a-32v-3/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Elgar AT8000A-32V MOD is a configurable modular DC power system designed for automated test equipment (ATE) and laboratory applications requiring programmable and precise power outputs. This system chassis can house a combination of DC power supply modules and DC electronic load modules, allowing for flexible system configurations within a single 19-inch rackmount unit. It supports expansion beyond a single chassis to accommodate larger channel counts and higher total power requirements. The AT8000A series is engineered for MATE and CIL programmability, offering remote control via an IEEE-488 GPIB interface, as well as local control through a front-panel keyboard. System Configuration and Expandability: * High-Density Mainframe: The 5-1/4-inch high mainframe can accommodate up to six independent channels of either linear DC power or DC electronic loads. Modular Design: Utilizes interchangeable DC power supply modules and DC electronic load modules, allowing for customized configurations. Paralleling Capability: DC power modules can be paralleled within a chassis to deliver up to 1200W from a single unit. Multi-Chassis Expansion: The system can be expanded to a total of 16

independent channels across multiple chassis, controlled via a single GPIB address, potentially reaching up to 19.2 kW. Master/Slave Architecture: Supports master and slave chassis configurations for expanded channel counts and centralized control. A master chassis typically includes the GPIB interface and programmer, controlling one or more slave chassis. Power Module Specifications (32V Modules): * Output Voltage: Up to 32V DC per module. Output Current: For 32V modules, the typical current output is 6.25A. Power Output: Individual power modules are rated at 200W. Paralleled Power: By paralleling power modules, a single chassis can deliver up to 1200W. Electrical Characteristics: * Input Voltage Range: $\pm 10\%$ of nominal value. Input Frequency Range: 45 Hz to 10,000 Hz for AC Power Sources. (Note: The AT8000A-32V MOD is a DC power module, input specs relate to the AC input to the mainframe.) Maximum Ripple and Noise (Voltage Mode): * 1.5 millivolts RMS or 0.01% of rated output voltage, whichever is greater, from 20 Hz to 100 kHz. * For master-slave configurations, 5 millivolts RMS or 0.01% of rated output voltage, whichever is greater, from 20 Hz to 100 kHz. * 15 millivolts peak-to-peak or 0.05% of rated output voltage, whichever is greater, as measured from 20 Hz to 200 MHz. * For master-slave configurations, 15 millivolts peak-to-peak or 0.1% of rated output voltage, whichever is greater, from 20 Hz to 20 MHz (typical). Line Regulation: +0.25% at full load for a $\pm 10\%$ change in input line voltage. Load Regulation: +1% from no load to full load over the full frequency range and $\pm 10\%$ input range. Adjustable to better than 0.1% for specific load conditions. Gain Stability: $\pm 0.25\%$ for 24 hours at constant line, load, and temperature. Resolution: * For modules < 100V: 10 mV and 10 mA, or 1 part in 3972, whichever is less. * For modules $\geq 100V$: 10 mV and 10 mA. * The resolution for 7 VDC modules is 1.76 mV. Output Protection: Overcurrent sensing and overvoltage protection with SCR crowbar shutdown are standard. Optional Features: Polarity switching relays are optional, allowing for positive and negative polarity programming without external wiring changes. Interfaces and Control: * Remote Programming: IEEE-488 GPIB interface for remote control. Programming Languages: Supports ABLE (Atlas Based Language Extension) and CIIL (Control Interface Intermediate Language) for MATE applications. Local Control: Front-panel keyboard and display for local programming and status monitoring. Readback Capability: Built-in test option provides readback capability for voltage and current readings on DC power modules, Auxiliary Drive Modules (ADMs), and electronic DC loads. Sense Terminals: Programmable voltage and current with remote sense terminals. Physical Characteristics: *

AT8000A32V Characteristics / Specifications

PARAMETER	VALUE
Model	AT8000A-32V
Instrument Type	programmable multi-output DC power system
Mainframe Height	5.25 inch
Rack Width	19 inch
Channels Per Chassis	up to 6 independent
System Expansion	up to 16 channels master/expansion
Maximum System Voltage Class	320 V depending on modules
Maximum System Current Class	15 A depending on modules
Module Voltage Class This Configuration	32 V class configuration designation
Remote Interface	GPIB IEEE-488
Programmability	MATE and CIIL class
Local Control	front-panel keyboard
Remote Sense	yes
Output Relay	integrated
Crowbar	independent SCR crowbar for rapid grounding/discharge
Built In Test Option	voltage and current readback on modules and loads
Form Factor	rackmount modular mainframe
Brand Lineage	Elgar / AMETEK
Power Architecture	linear DC modules class family
Load Modules	electronic DC loads supported in same chassis
Bus Addressing	one selectable GPIB address
Series Family	Elgar AT8000A/B DC Power System
Operating Mode	local or remote
Channel Independence	fully independent channels class OEM text

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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Load Modules	electronic DC loads supported in same chassis
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Series Family	Elgar AT8000A/B DC Power System
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Notes	
From Elgar AT8000A/B DC Power System OEM product literature (channel count, expansion, GPIB, 320 V/15 A	

system class). Exact 32 V module current/power ratings belong on the installed module data plate/calibration record.

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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30-day returns
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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.