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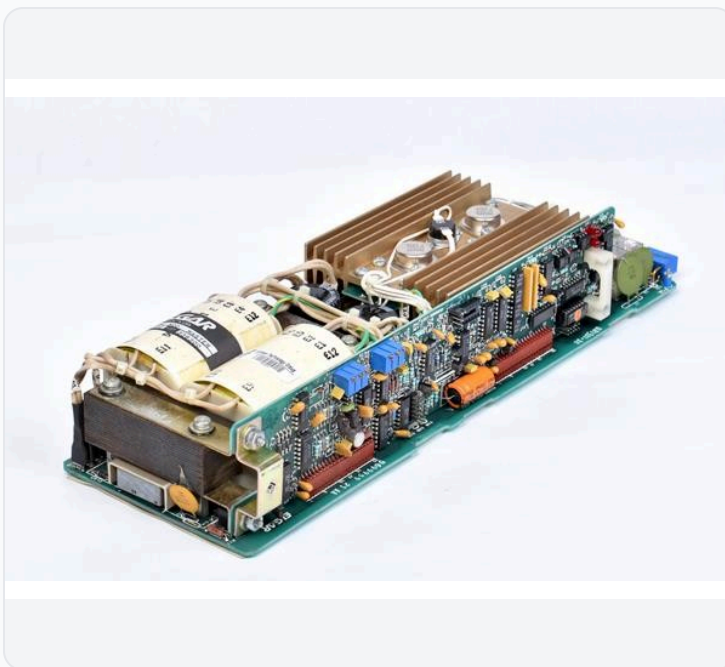
Data Sheet

August 15, 2026

ELGAR

Elgar AT8000 20V DC Power Module

The Elgar AT8000A-20V is an AC power source module designed for use in the Elgar AT8000A series of programmable power systems. It delivers AC power at a maximum output voltage of 20V. Ideal for ATE, research, and manufacturing applications that require precise and reliable AC power.



MODEL

Elgar AT8000A-20V

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

AT8000A-20V

LISTING

<https://aumictechlabs.com/products/at8000a-20v-3/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Elgar AT8000A-20V MOD is an AC power source module designed for integration into the Elgar AT8000A series of programmable power systems. This module is intended for applications requiring precise and reliable AC power delivery, particularly within automated test equipment (ATE), research and development laboratories, and manufacturing environments. The AT8000A series is a modular system that allows for flexible configurations, accommodating multiple power supply and electronic load modules within a single mainframe chassis. System Architecture and Capabilities * Modular Design: The Elgar AT8000A series utilizes a high-density mainframe that can house up to six independent modules, which can be either DC power supply modules or electronic load modules. Expandability: The system can be expanded beyond a single chassis, allowing for up to 16 independent channels when using master and expansion chassis configurations. High Density: A single 5-1/4 inch mainframe can accommodate six 200W DC

power supply modules, and by paralleling these modules, a single chassis can deliver up to 1200W. Combined Functionality: The AT8000A system is capable of housing and operating both DC power supply and electronic load modules simultaneously within the same chassis, offering a consolidated solution for complex power testing needs. Control and Interfaces * Local Control: The system can be programmed and controlled directly from a front-panel keyboard and display, featuring a 16-pad multi-level interface with increment/decrement keys. Remote Control: Remote operation is supported via an IEEE-488 GPIB interface, allowing for control with a single selectable bus address. ATE Compatibility: The AT8000A series is ATE qualified and supports MATE (Modular Automatic Test Equipment) and CIIL (Control Interface Intermediate Language) programming, conforming to U.S. Air Force MATE guidelines. Readback Capability: With an optional built-in test feature, the system provides readback capability for voltage and current measurements from the installed modules. Power Module Specifications (General AT8000A Series) While specific details for the AT8000A-20V MOD are not fully enumerated in the provided search results, general specifications for the AT8000A series power modules provide context: * Power Output: Individual DC power supply modules are typically rated at 200W. Voltage Modules: The AT8000A series offers various voltage modules, with ranges up to 320V being available in the broader AT8000A system. The "20V" in the product name indicates the maximum output voltage for this specific module. Resolution: For modules with voltages less than 100V, the maximum resolution is specified as 10 mV and 10 mA, or 1 part in 3972, whichever is less. For 7 VDC modules, the resolution is 1.76 mV. Ripple and Noise: Maximum ripple and noise in voltage mode is stated as 1.5 millivolts RMS or 0.02%. Electronic Load Module Capabilities * Power: Electronic load modules are typically rated at 300W and can be paralleled for up to 1800W per chassis. Operational Modes: These modules support multiple operational modes, including Constant Current (CC), Constant Voltage (CV), Constant Resistance (CR), and transient operation. Dynamic Behavior: Programmable slew rates allow the loads to simulate the dynamic behavior of real-world load conditions. Physical Characteristics * Chassis Size: The mainframe is a 5-1/4 inch high, 19-inch wide rackmount chassis. Compatibility and Integration * Master/Slave Configuration: The system supports master/slave configurations, allowing a master unit to control multiple expansion chassis. Auxiliary Drive Modules (ADMs): ADMs can be integrated to allow external bulk supplies or loads to be controlled by the AT8000A system, providing voltage and current programming and relay drivers. MATE and CIIL: The system's programming languages (ABLE and CIIL for AT8000A) are designed for MATE applications, ensuring compatibility with automated test equipment environ

AT8000A20V Characteristics / Specifications

PARAMETER	VALUE
Model	AT8000A-20V
Instrument Type	Linear DC power supply module for AT8000A system
Output Voltage Range	-20 to plus 20 Vdc
Output Current	15 A
Module Power Class	200 W
Mainframe Height	5.25 inches
Modules Per Mainframe	up to six 200 W DC modules
Chassis Parallel Power	up to 1200 W by paralleling modules
System Channel Expansion	up to 16 channels master/expansion
System Power Multi Chassis	up to 19.2 kW on one GPIB address
Control Local	front-panel keyboard
Control Remote	IEEE-488 GPIB
Programming Languages	ABLE and CIIL on AT8000A
Operating Modes	constant voltage and constant current
Overcurrent Sensing	standard
Overvoltage Protection	SCR crowbar shutdown standard
Load Isolation Relays	standard confidence relays
Polarity Switching Relays	optional
Readback Option	voltage and current with built-in test option
Electronic Load Sibling Power	300 W load modules also fit same mainframe
Load Parallel Per Chassis	up to 1800 W
Rack Width	19 inches

AT8000A20V Specifications

PARAMETER	VALUE
Applications	ATE multi-rail DC sourcing inside Elgar AT8000A mainframes for aerospace and production test needing isolated mid-current 20 V channels.
Constant voltage or constant current modes	Remote sense terminals
Technical Specifications	Model: AT8000A-20V

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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Notes	
From Elgar AT8000/AT8000A/AT8000B family datasheet descriptions and Artisan OEM module identity for the 20 V / 15 A master power module. Detailed ripple/regulation tables belong on the AT8000A/B datasheet module chart; expand further if that PDF row set is available.	

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.