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Data Sheet

August 15, 2026

AMETEK/ELGAR

Ametek / Elgar 20V Mod. Master Power Module

Ametek/Elgar Power Supply Modules. Voltage: 20V DC nominal, Current: 15A (module variant specification).



MODEL

**Ametek/Elgar 20V
Mod. Master
Power Module**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

**20V Mod. Master
Power Module**

LISTING

<https://aumictechlabs.com/products/20v-mod-master-power-module-3/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Ametek/Elgar 20V Mod. Master Power Module is a DC power supply module engineered for integration into the Elgar AT8000 series programmable multi-output DC power systems. This plug-in module delivers stable 20V DC output and operates as part of a modular architecture supporting up to 16 independent channels across master and expansion chassis configurations. The module employs linear design topology for fast transient response and minimal ripple, with complete output isolation and comprehensive protection circuitry. It is controlled via IEEE-488 GPIB remote interface or front-panel keyboard, supporting MATE, CIL, and SCPI 1995.0 programmability standards. Technical Specifications Output Voltage: 20V DC nominal Output Current: 15A (module variant specification) Control Modes: Constant voltage or constant current operation Design Type: Linear topology with fast response time and low ripple output Output Isolation: Complete galvanic isolation Voltage & Current Readback: Available via integrated test

option for ATE system integration Remote Sensing: Remote sense terminals for load-end voltage regulation

Key Features

- Overcurrent sensing with SCR crowbar overvoltage protection and rapid shutdown capability
- Integrated output relay with independent SCR crowbar for fast load grounding
- Load isolation (confidence) relays; optional polarity switching relays
- Parallel operation capability to increase output current and power delivery
- System chassis accommodates six power supply modules or electronic loads; paralleled modules deliver up to 1200W per 5-1/4" mainframe
- Multi-chassis expansion supports up to 19.2 kW total power delivery

Interfaces IEEE-488 GPIB remote control and programming Front-panel keyboard for local operation

MATE & CIIL programmability standards SCPI syntax v1995.0 command support

Compatibility & Integration Compatible with Elgar AT8000, AT8000A, and AT8000B mainframe systems. Expandable to 16 independent channels in master/expansion configurations. 19" rackmount, 5-1/4" height.

20VMODMASTERPOWERMODULE Characteristics / Specifications

PARAMETER	VALUE
Model	20V Mod. Master Power Module
Instrument Type	AT8000 linear DC power module (master)
Family	Elgar / Ametek AT8000A/B
Voltage Family	20 V standard AT8000 range
Module Class	200 W DC power supply module
Topology	linear, isolated output
Modes	constant voltage or constant current
Overvoltage	SCR crowbar shutdown
Overcurrent	overcurrent sensing standard
Isolation Relays	load isolation (confidence) relays standard
Polarity Relays	optional
Master Role	master control path for paralleled 20 V slaves
Mainframe Height	5.25 inch, 19 inch rack
Modules Per Frame	six independent channels
Frame Power	up to 1200 W paralleled
System Expand	16 channels, up to 19.2 kW, one GPIB address
Remote Interface	IEEE-488 GPIB
Able Language	ABLE on AT8000A and AT8000B
Ciil Language	CIIL MATE on AT8000A
Readback	optional BIT voltage and current readback
Ce Frame	AT8000B CE listed
Manufacturer	Elgar / Ametek
Literature	Elgar AT8000A/B DC power system description, 20 V master module
Sibling	2.5 V and 7 V AT8000 modules in the same mainframe family

20VMODMASTERPOWERMODULE Specifications

PARAMETER	VALUE
Elgar AT8000 20 V Master DC Power Module	Overview
Applications	AT8000 systems needing a 20 V master linear channel in the 5.25 inch multi-output DC frame.
Key Features	20 V AT8000 master linear module
SCR crowbar and isolation relays	Six modules per 5.25 inch chassis
Technical Specifications	Model: 20V Mod. Master Power Module

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 AT8000A/B family documentation for 20 V master modules. Current rating of a specific 20 V overlay belongs on the module nameplate.

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

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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.