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Data Sheet

August 2, 2026

ASTRON

Astron VLS-25M Variable DC Power Supply

The Astron VLS-25M (VLS25M) is a variable linear regulated DC bench power supply with front-panel volt and amp meters. Output voltage is adjustable from about 5–32 VDC with externally adjustable current limiting from about 1.5 A to full load. At 28 VDC the continuous rating is 18 A with 25 A intermittent (ICS); continuous current is lower at reduced voltages (about 10 A @ 12 V and 5 A @ 5 V per manufacturer tables). Features include solid-state regulation, fold-back current limiting, crowbar over-voltage protection, heavy-duty heat sink (no fan), and ripple less than 5 mV peak-to-peak at full load and low line. Input is 105–125 VAC. Designed for flexible bench and aviation/communications test loads. Variable-voltage bench supply for avionics and communications equipment; adjustable current-limited testing; 28 V-class continuous loads to 18 A with metered monitoring.



MODEL

Astron VLS-25M

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

VLS-25M

LISTING

<https://aumictechlabs.com/products/vls-25m-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Astron VLS-25M is a robust, solid-state, electronically regulated linear power supply designed for applications requiring a stable and clean DC output. It features user-adjustable voltage and current limiting, making it a versatile tool for laboratory testing, amateur radio, and other electronic applications in the USA. Technical Specifications * Model: Astron VLS-25M Power Supply Type: Linear, Regulated, Variable Input Voltage: 105-125 VAC Output Voltage: 28 VDC ±

0.05 volts * Internally adjustable range: 22-32 VDC * Externally adjustable range: 5-32 VDC
Continuous Duty Output Current: * @ 28 VDC: 18 Amps * @ 12 VDC: 10 Amps * @ 5 VDC: 5 Amps
Intermittent Communication Service (ICS) Output Current: * @ 28 VDC: 25 Amps * @ 12 VDC: 12
Amps * @ 5 VDC: 5 Amps Externally Adjustable Current Limit: 1-25 Amps * Adjustable from 1.5
Amps to Full Load Ripple Voltage: Less than 5mV peak to peak (full load and low line) Load
Regulation: 0.08% from 0 to Full Continuous Load Metering: Separate backlit voltmeter and
ammeter on the front panel Protection Features: * Fold-back current limiting: Protects the power
supply from excessive current and continuous shorted output * Crowbar over voltage protection:
Included on all models except specific RS/LS series * Chassis mount fuse AC Current Draw: Not
specified Electrical * Input: 105-125 VAC, 50/60 Hz Output: Variable DC, 28 VDC nominal
(adjustable 5-32 VDC) Current Limiting: Externally adjustable from 1.5 Amps to the maximum rated
output Interfaces * Power Terminals: 1/4"-20 Screw Type Power Cord: Three-conductor power
cord Physical * Dimensions: 6 × 13¾ x 11 inches Shipping Weight: 46 lbs Cooling: Heavy duty heat
sink Construction: Made in the USA Compatibility * The Astron VLS-25M is suitable for powering
mobile, portable, and aviation equipment from standard wall current. Its clean DC output and
adjustable parameters make it compatible with a wide range of electronics testing and amateur
radio applications. Why Choose Aumictech for the Astron VLS-25M? At Aumictech, we specialize
in supplying high-end power supply equipment. Whether you need reliable laboratory-grade
power, stable output for radio communications, or precise voltage and current control for
electronics testing, our team ensures the Astron VLS-25M delivers maximum performance for
your application.

Features & description

From manufacturer datasheet

Features

- Variable linear DC supply with meters
- Voltage adjustable about 5–32 VDC
- Current limit adjustable about 1.5 A to full load
- Continuous: 18 A @ 28 V; 10 A @ 12 V; 5 A @ 5 V (manufacturer table)
- ICS: 25 A @ 28 V; 12 A @ 12 V; 5 A @ 5 V
- Separate volt and amp meters
- Fold-back current limiting; crowbar OVP
- Ripple less than 5 mV p-p
- Heat sink cooled (no fan)
- Made in USA (Astron Corporation)

VLS25M Characteristics / Specifications

PARAMETER	VALUE
Model	VLS-25M (VLS25M)
Manufacturer	Astron Corporation
Instrument Type	Variable linear regulated DC power supply with meters
Input Voltage	105–125 VAC
Output Voltage	adjustable about 5–32 VDC (nominal 28 V class family)
Current Limit	externally adjustable about 1.5 A to full load
Continuous Current	18 A @ 28 VDC; 10 A @ 12 VDC; 5 A @ 5 VDC
ICS Current	25 A @ 28 VDC; 12 A @ 12 VDC; 5 A @ 5 VDC
Ripple	less than 5 mV peak-to-peak (full load, low line)
Metering	separate volt and amp meters
Dimensions	about 6 × 13.75 × 11 in class
Shipping Weight	about 46 lb
Related	VLS-10M, VLS-35M Standard Operating Conditions Derate continuous current with output voltage per the manufacturer table. Provide heat-sink ventilation. Do not exceed ICS duty for peak loads. Operational Notes VLS series is variable/special-voltage—not fixed 13.8 V RS-35M. Confirm faceplate VLS-25M vs other VLS amp ratings.
Continuous	18 A @ 28 V; 10 A @ 12 V; 5 A @ 5 V (manufacturer table)
ICS	25 A @ 28 V; 12 A @ 12 V; 5 A @ 5 V

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

Specifications

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Instrument Type	Variable linear regulated DC power supply with meters
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Standard Operating Conditions

Derate continuous current with output voltage per the manufacturer table. Provide heat-sink ventilation. Do not exceed ICS duty for peak loads.

Operational Notes

VLS series is variable/special-voltage-not fixed 13.8 V RS-35M. Confirm faceplate VLS-25M vs other VLS amp ratings.

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.