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Data Sheet

August 2, 2026

ASTRON

Astron LS-3A Linear DC Power Supply

The Astron LS-3A (LS3A) provides a heavy-duty linear regulated tabletop DC power supply designed for Astron's LS series of special-voltage (28 V) supplies. It delivers 28.0 VDC +/- 0.05 V at 3 A continuous and 4 A intermittent (ICS), with internal adjustment approximately 22–32 VDC. Regulation and low ripple are maintained at low line. Protection includes fold-back current limiting and crowbar over-voltage protection. Cooling is by heavy-duty heat sink (no fan). Input is 105–125 VAC (220 V variants exist as LS-3A-220V). Built for commercial, communications, and industrial 28 V loads. 28 V communications and industrial DC power; land-mobile / base equipment requiring linear regulation; bench and fixed 28 VDC loads at 3 A continuous.



MODEL

Astron LS-3A

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

LS-3A

LISTING

<https://aumictechlabs.com/products/lis-3a-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Astron LS-3A is a robust, solid-state, electronically regulated linear power supply designed for reliable DC power delivery. Its primary function is to provide a stable 13.8V DC output, suitable for a variety of electronic applications, including communication equipment, laboratory instruments, and hobbyist projects. The unit incorporates essential protection features such as fold-back current limiting to safeguard against excessive current and shorted outputs, as well as crowbar over-voltage protection on all models, ensuring the connected equipment is shielded from voltage spikes. The Astron LS-3A is engineered to maintain consistent regulation and low

ripple even under conditions of low line input voltage, contributing to the stability and longevity of powered devices. Manufactured in the USA, it is constructed with heavy-duty, high-quality materials to ensure durability and consistent performance. Technical Specifications Model: LS-3A Manufacturer: Astron Corporation Power Supply Type: Linear, Regulated Output Voltage: Nominal: 13.8V DC Adjustable Range: 22-32V DC (Internally Adjustable) Regulation: ± 0.05 Volts Output Current: Continuous Duty: 3 Amps Intermittent/Peak Current (ICS): 4 Amps Input Voltage: Standard: 105-125 VAC Frequency: 60 Hz Electrical Characteristics: Ripple Voltage: Less than 5mV peak to peak (full load and low line) (Note: One source indicates <6mV) Load Regulation: 0.08% from 0 to Full Continuous Load Protection Features: Fold-back Current Limiting: Protects power supply from excessive current and continuous shorted output Crowbar Over-Voltage Protection: On all models (Note: One source states "except RS-3L, RS-4L and RS-5L") Interfaces: Power Terminals: Banana DC Output Terminals: Located on the rear panel Physical Characteristics: Dimensions (H x W x D): 3 $\frac{3}{4}$ " x 6 $\frac{1}{2}$ " x 9" (Note: One source lists as 3" x 6 $\frac{1}{2}$ " x 9", another as 3.75" x 6.500" x 9.000") Weight: Approximately 9 lbs (Note: One source lists as 9.45 lbs) Cooling Type: Heat sink (No fan cooling for this model) Construction: Heavy-duty Internal Components: Fuse: GMC 2A (Note: One source lists as Chassis mounted fuse) Operational Environment: Maintains regulation and low ripple at low line input voltage Manufacturing: Made in USA Why Choose Aumictech for Astron LS-3A? At Aumictech, we specialize in supplying high-end power supply equipment. Whether you need reliable 13.8V DC output for critical communication systems, stable power for laboratory instrumentation, or consistent performance for complex electronic projects, our team ensures the Astron LS-3A delivers maximum performance for your application.

Features & description

From manufacturer datasheet

Features

- Linear regulated DC power supply • 28.0 VDC +/- 0.05 V output • 3 A continuous / 4 A intermittent (ICS) • Internally adjustable about 22–32 VDC • Fold-back current limiting; crowbar OVP • Heavy-duty heat sink cooling (no fan) • Maintains regulation and low ripple at low line • Chassis-mount fuse; rear power terminals • Made in USA (Astron Corporation) • Related: LS-10A, LS-18A, LS-25A, LS-35A family

LS3A Characteristics / Specifications

PARAMETER	VALUE
Model	LS-3A
Manufacturer	Astron Corporation
Instrument Type	Linear regulated DC power supply
Input Voltage	105–125 VAC (LS-3A-220V for 220 V class input)
Output Voltage	28.0 +/- 0.05 VDC
Adjustment Range	about 22–32 VDC (internal)
Continuous Current	3.0 A @ 28.0 VDC
Intermittent / Peak (ICS)	4.0 A @ 28.0 VDC
Cooling	heat sink (not fan cooled)
Fuse	GMC 2A class (manufacturer table)
Dimensions	about 3.75 × 6.5 × 9 in
Shipping Weight	about 9–11 lb class
AC Current Draw	idle about 129 mA; full load about 0.86 A (manufacturer table) Standard Operating Conditions Provide adequate ventilation around the heat sink. Do not exceed continuous current rating for sustained loads; observe ICS duty limits for peak. Verify AC mains match the faceplate (120 vs 220 V variant).
Related	LS-10A, LS-18A, LS-25A, LS-35A family

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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Standard Operating Conditions

Provide adequate ventilation around the heat sink. Do not exceed continuous current rating for sustained loads; observe ICS duty limits for peak. Verify AC mains match the faceplate (120 vs 220 V variant).

Operational Notes

LS-series Astron supplies are 28 V class-not 13.8 V RS/SS series. Confirm faceplate LS-3A vs other LS 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.