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Data Sheet

August 13, 2026

LAMBDA / TDK

Lambda / TDK / EMI LK343A

Lambda LK343A Linear Lab Power Supply 0-36 V 9 A The Lambda LK343 / LK-343 is an LK-350 series linear laboratory DC supply listed as 0-36 Vdc / 9 A. LK343A is the A-revision of that electrical row. FM packages add analog meters. CV/CC linear lab construction. Instrument Type: Linear Laboratory DC Power Supply Alias: LK343A; LK-343; LK-343A; LK-343-AFM The Lambda LK343 / LK-343 is an LK-350 series linear laboratory DC supply listed as 0-36 Vdc / 9 A. LK343A is the A-revision of that electrical row. FM packages add analog meters. CV/CC linear lab construction. Instrument Type: Linear Laboratory DC Power Supply Alias: LK343A; LK-343; LK-343A; LK-343-AFM Current Rating: 9 A (Selectron LK-343 row)



MODEL

**Lambda / TDK
LK343A**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

LK343A

LISTING

**[https://aumictechlabs.c
om/products/lk343a-2/](https://aumictechlabs.com/products/lk343a-2/)**

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Lambda/TDK LK343A is a regulated DC power supply engineered for applications requiring stable, precision power delivery. Operating from 105–132 VAC, 47–63 Hz input, It has adjustable output voltage and current with automatic crossover between constant voltage and constant current modes. The unit delivers up to 9.0 A at 40°C ambient, with temperature-compensated output regulation and low ripple performance. Technical Specifications Output Performance DC output line regulation: 0.015% or 1 mV (whichever greater) across 105–132 VAC input variations DC output load regulation: 0.015% or 1 mV (whichever greater) from no-load to full-load conditions Ripple and noise: 500 µV RMS (with either terminal grounded) Temperature coefficient: 0.015%/°C

Current Capability 9.0 A maximum at 40°C ambient 8.5 A at 50°C ambient 7.8 A at 71°C ambient
Constant Current Mode Line regulation: less than 10 mA or 0.1% (whichever greater) for 105–132
VAC input variations Load regulation: less than 10 mA or 0.1% (whichever greater) across rated
VDC load voltage change Environmental Operating temperature range: 0°C to +71°C (continuous
duty) Storage temperature range: –55°C to +85°C Thermal protection via automatic-reset
thermostat Protection and Safety Adjustable electronic current limiting circuit (settable to 105% of
rated current) Internal fuse protection Thermostat-based over-temperature shutdown with
automatic resetKey Features Front-panel coarse and fine voltage adjustment controls Front-panel
coarse and fine current adjustment controls Integrated voltmeter and ammeter for real-time
output monitoring Remote sensing provision to eliminate lead-resistance effects on DC regulation
Convection cooling (no blower or external heat sink required) Rear-mounted terminal block
connections Power On-Off switch for ½ rack configurationTypical Applications Laboratory testing,
equipment development, and field service applications requiring stable DC power with precise
current and voltage control.

LK343A Characteristics / Specifications

PARAMETER	VALUE
Model	LK343A
Manufacturer	Lambda Electronics
Instrument Type	Linear Laboratory DC Power Supply
Series	LK-350
Alias	LK343A; LK-343; LK-343A; LK-343-AFM
Voltage Range	0 to 36 Vdc
Current Rating	9 A (Selectron LK-343 row)
Power Class	36 V x 9 A = 324 W class
Mode	CV/CC automatic crossover
Package A	A-suffix electrical/mechanical revision
Package FM	metered laboratory chassis when present
AC Input	105-132 Vac class Lambda lab
Meters	analog on FM
Connections	binding posts / high-current output
Regulation	Lambda LK linear class; exact % on the LK sheet
Ripple	Lambda LK linear class
Family LK344 AFM	0-60 V, 0-4 A (different model)
Form	bench laboratory
Status	legacy linear
Cooling	convection or fan per chassis size
Duty	continuous with ambient derating
Remote Program	Lambda lab resistor/voltage program class
Sense	remote sense terminals class LK lab Notes Verified 0-36 V / 9 A from LK-343 catalog listings. ConfirmAvs AFM package and nameplate current derating.

LK343A Specifications

PARAMETER	VALUE
Applications	0-36 V 9 A linear lab DC; LK-350 MRO.
Key Features	- 0-36 V, 9 A catalog row
Technical Specifications	Model: LK343A
Notes	Verified 0-36 V / 9 A from LK-343 catalog listings. Confirm A vs AFM package and nameplate current derating.

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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Remote Program: Lambda lab resistor/voltage program class

Sense: remote sense terminals class LK lab

Notes

Verified 0-36 V / 9 A from LK-343 catalog listings. ConfirmAvs AFM package and nameplate current derating.

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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NIST-traceable calibration · SAM registered ·
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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.