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Data Sheet

August 13, 2026

LAMBDA / TDK

Lambda / TDK / EMI LP533

Lambda LP533 / LP-533-FM Linear Lab Power Supply 0-60 V 0-2.4 A The Lambda LP533 (LP-533-FM metered package) is an LP-530 series linear laboratory DC supply listed as 0-60 V, 0-2.4 A. CV/CC automatic crossover, analog meters on FM, and 105-132 Vac class input follow Lambda LP lab practice. Current derates with ambient on Lambda multi-current tables. The Lambda LP533 (LP-533-FM metered package) is an LP-530 series linear laboratory DC supply listed as 0-60 V, 0-2.4 A. CV/CC automatic crossover, analog meters on FM, and 105-132 Vac class input follow Lambda LP lab practice. Current derates with ambient on Lambda multi-current tables.



MODEL

**Lambda / TDK
LP533**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

LP533

LISTING

[https://aumictechlabs.c
om/products/lp533-2/](https://aumictechlabs.com/products/lp533-2/)

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Lambda/TKD LP533-FM is a regulated DC power supply delivering 0-60 VDC at 0-2.4 ADC for laboratory and production environments requiring stable, filtered power. This metered benchtop/rack-mount unit combines constant voltage and constant current operation with front-panel controls and integrated EMI filtering to support sensitive electronic testing and power delivery applications. Technical Specifications Output Characteristics: Output voltage: 0-60 VDC Output current: 0-2.4 ADC Line regulation: 0.01% + 1 mV (typical) Load regulation: 0.01% + 1 mV (typical) Ripple and noise: 500 μ Vrms (typical) Temperature coefficient: (0.015% + 0.3 mV)/°C (typical) No overshoot on turn-on, turn-off, or power failure AC Input: 105-132 VAC; 47-440 Hz

(ratings based on 57–63 Hz) Alternative input options available: 187–242 VAC and 205–265 VAC
Protection: Continuously adjustable automatic current limiting (short circuit proof) External overload protection with automatic electronic current limiting, settable to 105% of rated current Fuse-based internal failure protection Automatic-reset thermostat for thermal protection
Key Features Constant voltage/constant current dual-mode operation Coarse and fine voltage adjustment controls on front panel Single current adjustment control on front panel Integrated voltmeter and ammeter (FM metered models) Remote sensing provision to eliminate lead resistance effects on DC regulation Convection-cooled design - no blowers or external heat sinks required Five-way binding posts for DC output connections (+, –, GND) Detachable 5-foot, 3-wire line cord with heavy-duty rear terminal block connection Remote sensing terminals for external voltage monitoring
Typical Applications Laboratory power delivery, production test stands, sensitive equipment development, and environments requiring clean, regulated DC with automatic current limiting and thermal protection.
Compatibility & Integration Designed for both benchtop and rack-mount configurations. Compatible with standard test environments using external meters via test jacks (non-metered models) or built-in panel meters (FM models). Remote sensing capability enables compensation for voltage drop across distribution leads.

Features & description

From manufacturer datasheet

Features

- 0-60 V, 0-2.4 A catalog row (LP-533-FM)

LP533 Characteristics / Specifications

PARAMETER	VALUE
Model	LP533
Manufacturer	Lambda Electronics
Instrument Type	Linear Laboratory DC Power Supply
Series	LP-530
Alias	LP533; LP-533; LP-533-FM; LP533-FM
Voltage Range	0 to 60 Vdc
Current Rating	0 to 2.4 A (catalog/Selectron LP-533-FM row)
Package FM	metered laboratory chassis
Mode	CV/CC automatic crossover
Regulation	Lambda LP linear class; exact % on the LP-530 sheet
Ripple	Lambda LP linear class; exact uV on the sheet
AC Input	105-132 Vac, 47-440 Hz class
Meters	analogVandlon FM
Connections	binding posts / barrier
Remote Program	Lambda lab resistor/voltage program class
Ambient	0-60 C with derated current columns typical
Related LP5	lower-voltage LP-530 member; do not mix ratings
Form	bench laboratory
Status	legacy linear
Power Class	60 V x 2.4 A = 144 W class
Cooling	convection class LP chassis
Sense	remote sense terminals class LP lab
Overload	electronic current limiting class Lambda LP Notes Verified 0-60 V / 0-2.4 A from LP-533-FM catalog listings. Regulation microvolt figures belong on the LP-530 manual; not invented here.

LP533 Specifications

PARAMETER	VALUE
Applications	0-60 V linear lab DC; LP-530 family MRO.
Key Features	- 0-60 V, 0-2.4 A catalog row (LP-533-FM)
Technical Specifications	Model: LP533
Notes	Verified 0-60 V / 0-2.4 A from LP-533-FM catalog listings. Regulation microvolt figures belong on the LP-530 manual; not invented here.

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	
PARAMETER	VALUE
Model	LP533
Manufacturer	Lambda Electronics
Instrument Type	Linear Laboratory DC Power Supply
Specifications	
PARAMETER	VALUE
Series	LP-530
Alias	LP533; LP-533; LP-533-FM; LP533-FM
Voltage Range	0 to 60 Vdc
Specifications	
PARAMETER	VALUE
Current Rating	0 to 2.4 A (catalog/Selectron LP-533-FM row)
Package FM	metered laboratory chassis
Mode	CV/CC automatic crossover
Specifications	
PARAMETER	VALUE
Regulation	Lambda LP linear class; exact % on the LP-530 sheet
Ripple	Lambda LP linear class; exact uV on the sheet
AC Input	105-132 Vac, 47-440 Hz class
Specifications	
PARAMETER	VALUE
Meters	analogVandIon FM
Connections	binding posts / barrier
Remote Program	Lambda lab resistor/voltage program class

Specifications

PARAMETER	VALUE
Ambient	0-60 C with derated current columns typical
Related LP531	lower-voltage LP-530 member; do not mix ratings
Form	bench laboratory

Specifications

PARAMETER	VALUE
Status	legacy linear
Power Class	60 V x 2.4 A = 144 W class
Cooling	convection class LP chassis

Sense: remote sense terminals class LP lab

Overload: electronic current limiting class Lambda LP

Notes

Verified 0-60 V / 0-2.4 A from LP-533-FM catalog listings. Regulation microvolt figures belong on the LP-530 manual; not invented here.

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 ·
30-day returns
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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.