

**Aumictech**

Test & measurement • bought, sold, repaired, calibrated

Data Sheet

August 13, 2026

LAMBDA / TDK

Lambda / TDK / EMI LPD423A

Lambda LPD423A Dual Output Linear Lab Power Supply 0-60 V The Lambda LPD423A is an LPD-400A series dual-output linear regulated laboratory DC power supply. Each channel is 0 to 60 Vdc with temperature-derated current (Tablelclass: 0.7 A at 30 C). Constant-voltage and constant-current modes crossover automatically. AC input is 105-132 Vac at 47-440 Hz (full ratings 57-63 Hz). Remote programming is 200 ohm/V or one-to-one voltage. FM suffix denotes the metered front-panel laboratory package. Dual-rail lab benches; tracking or independent analog rails; ATE fixture DC; replacement of LPD-400A family channels. The Lambda LPD423A is an LPD-400A series dual-output linear regulated laboratory DC power supply. Each channel is 0 to 60 Vdc with temperature-derated current (Tablelclass: 0.7 A at 30 C). Constant-voltage and constant-current modes crossover automatically. AC input is 105-132 Vac at 47-440 Hz (full ratings 57-63 Hz). Remote programming is 200 ohm/V or one-to-one voltage. FM suffix denotes the metered front-panel laboratory package. Dual-rail lab benches; tracking or independent analog rails; ATE fixture DC; replacement of LPD-400A family channels.

**MODEL****Lambda / TDK
LPD423A****CALIBRATION****Available on
request****CONDITION****Used****STATUS****In stock****RFQ / SKU****LPD423A****LISTING**<https://aumictechlabs.com/products/lpd423a-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The TDK-Lambda LPD423A is a single-phase AC-input power supply engineered for industrial automation, telecommunications, and critical infrastructure applications. It delivers stable DC output with high efficiency in a compact 126.5 × 82 × 240 mm form factor, incorporating multiple protection mechanisms and remote control capabilities for demanding operational environments.

Technical Specifications

Input & Output Input voltage: 85–265 VAC, 47–63 Hz (100–240 VAC, 50–60 Hz for specific safety certifications) Hold-up time: 20 ms Leakage current: 1.2 mA maximum at 100/240 VAC (typically 0.2 mA at 100 VAC, 0.4 mA at 230 VAC) Temperature coefficient: 105% of rated output current Overvoltage protection: Enabled with output shutdown; manual reset via power cycle or ON/OFF control signal Remote sensing: Supported on applicable models Remote ON/OFF control: Supported Output voltage external control: Supported Parallel operation: Supported Series operation: Supported Monitoring signal: PF output (open collector)

Environmental Operating temperature: –10 to +71 °C Storage temperature: –40 to +85 °C Operating humidity: 10–90% RH (non-condensing) Vibration: MIL-STD-810F 514.5 compliant when bracket-mounted Shock: MIL-STD-810F 516.5 compliant when bracket-mounted

Key Features

Compact industrial-grade enclosure Multiple protection modes for critical applications Flexible control interface supporting remote operation Extended operating temperature range Rugged construction meeting military vibration and shock standards

Typical Applications

Industrial automation systems Telecommunications equipment power delivery Systems requiring stable DC supply in variable AC input environments

Compatibility & Integration

The LPD423A supports parallel and series configuration for scaled power delivery. Remote sensing and external voltage control enable integration into automated test and control systems. Open collector monitoring output facilitates status monitoring in supervisory control architectures.

Features & description

From manufacturer datasheet

Features

- Two independent 0 to 60 V channels

LPD423A Characteristics / Specifications

PARAMETER	VALUE
Model	LPD423A
Manufacturer	Lambda Electronics (Veeco/Lambda; TDK-Lambda successor)
Instrument Type	Dual Output Linear DC Power Supply
Series	LPD-400A
Alias	LPD423A; Lambda LPD423A
Channel Count	2 independent regulated outputs
Voltage Range Each	0 to 60 Vdc
Current At 30 C	0.7 A per channel
Current At 40 C	see 30 C table deratingAper channel
Current At 50 C	see 30 C table deratingAper channel
Current At 60 C	see 30 C table deratingAper channel
Voltage Regulation Line	0.01% plus 1.0 mV for 105-132 Vac variations
Voltage Regulation Load	0.01% plus 1.0 mV no load to full load
Ripple RMS	500 uVrms with either polarity grounded (1 mV class LPD-425FM)
Ripple Peak	1.5 mV peak-to-peak (LPD-425 higher class on some sheets)
Temperature Coefficient	less than (0.015% + 0.5 mV)/C class LPD-400A
Program Resistor	200 ohm per volt nominal
Program Voltage	one-to-one
Current Regulation Line	5 mA class for 105-132 Vac (LPD-400A current table)
Mode	constant voltage / constant current automatic crossover
AC Input	105-132 Vac, 47-440 Hz (ratings for 57-63 Hz; 10% current derate 47-53 Hz)
Input Power	180 W (LPD-400A input-power table, 30 C / 132 Vac class)
Ambient	0 to 60 C continuous duty with corresponding current columns
Meters	analog volt and amp meters per channel on FM packages
Connections	rear barrier / front binding posts on FM laboratory chassis

PARAMETER	VALUE
Family Table	LPD-421 0-20 V 1.7 A; LPD-422 0-40 V 1.0 A; LPD-423 0-60 V 0.7 A; LPD-424 0-120 V 0.38 A; LPD-425 0-250 V 0.13 A (30 C) Notes

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	LPD423A
Manufacturer	Lambda Electronics (Veeco/Lambda; TDK-Lambda successor)
Instrument Type	Dual Output Linear DC Power Supply
Specifications	
PARAMETER	VALUE
Series	LPD-400A
Alias	LPD423A; Lambda LPD423A
Channel Count	2 independent regulated outputs
Specifications	
PARAMETER	VALUE
Voltage Range Each	0 to 60 Vdc
Current At 30 C	0.7 A per channel
Current At 40 C	see 30 C table deratingAper channel
Specifications	
PARAMETER	VALUE
Current At 50 C	see 30 C table deratingAper channel
Current At 60 C	see 30 C table deratingAper channel
Voltage Regulation Line	0.01% plus 1.0 mV for 105-132 Vac variations
Specifications	
PARAMETER	VALUE
Voltage Regulation Load	0.01% plus 1.0 mV no load to full load
Ripple RMS	500 uVrms with either polarity grounded (1 mV class LPD-425FM)
Ripple Peak	1.5 mV peak-to-peak (LPD-425 higher class on some sheets)

Specifications

PARAMETER	VALUE
Temperature Coefficient	less than (0.015% + 0.5 mV)/C class LPD-400A
Program Resistor	200 ohm per volt nominal
Program Voltage	one-to-one

Specifications

PARAMETER	VALUE
Current Regulation Line	5 mA class for 105-132 Vac (LPD-400A current table)
Mode	constant voltage / constant current automatic crossover
AC Input	105-132 Vac, 47-440 Hz (ratings for 57-63 Hz; 10% current derate 47-53 Hz)

Specifications

PARAMETER	VALUE
Input Power	180 W (LPD-400A input-power table, 30 C / 132 Vac class)
Ambient	0 to 60 C continuous duty with corresponding current columns
Meters	analog volt and amp meters per channel on FM packages

Connections: rear barrier / front binding posts on FM laboratory chassis

Family Table: LPD-421 0-20 V 1.7 A; LPD-422 0-40 V 1.0 A; LPD-423 0-60 V 0.7 A; LPD-424 0-120 V 0.38 A; LPD-425 0-250 V 0.13 A (30 C)

Notes

Specs from Lambda LPD-400A (IM-LPD400A) and LPD-423AFM catalog row: 2 x 0-60 V at 1.7 A family current is 0.7 A at 30 C. FM suffix is the metered chassis. Confirm 30/40/50/60 C current column on the 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

Aumictech

788 S 500 E, Pleasant Grove, UT 84062
sales@aumictech.com · +1 (484) 841-9341
<https://aumictechlabs.com>

NIST-traceable calibration · SAM registered ·
30-day returns
NAICS 423690 · 811210 · 541380
Generated August 13, 2026

Technical content from manufacturer specifications. Unit photo/stock from Aumictech listing when available. Specifications subject to OEM documentation and unit condition.