

**Aumictech**

Test & measurement • bought, sold, repaired, calibrated

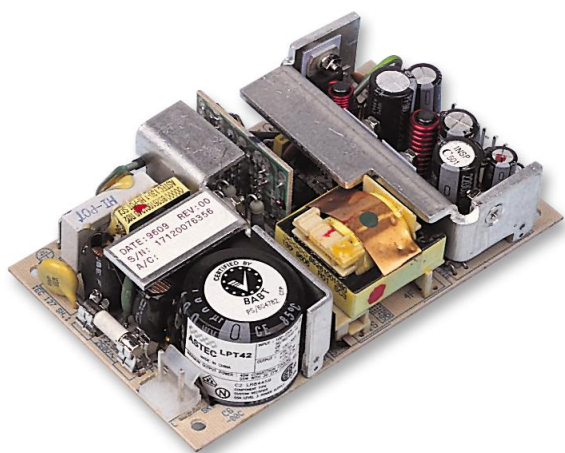
Data Sheet

August 2, 2026

ASTE

Astec LPT45 Triple Output AC/DC Power Supply

Astec LPT45 Triple Output AC/DC Power Supply The Astec LPT45 (LPT45) is an open-frame AC-DC triple-output switching power supply in the Artesyn/Astec LPT40 family, rated about 40 W with convection cooling and about 55 W with about 30 CFM forced air. Standard output rails are +5 V, +15 V, and -15 V (confirm faceplate; LPT46 and other siblings use different secondary sets such as +24 V/+12 V). Universal input covers about 85–264 VAC and about 120–300 VDC. Features include remote sense on the main (+5 V) output, adjustable main output (-5% to +10%), built-in EMI filter, overload and overvoltage protection, and short-circuit protection on all outputs. Terminal block (-T) and Molex connector options exist in the family. Component supply for professional OEM installation—not a standalone bench product. The Astec LPT45 (LPT45) is an open-frame AC-DC triple-output switching power supply in the Artesyn/Astec LPT40 family, rated about 40 W with convection cooling and about 55 W with about 30 CFM forced air. Standard output rails are +5 V, +15 V, and -15 V (confirm faceplate; LPT46 and other siblings use different secondary sets such as +24 V/+12 V). Universal input covers about 85–264 VAC and about 120–300 VDC. Features include remote sense on the main (+5 V) output, adjustable main output (-5% to +10%), built-in EMI filter, overload and overvoltage protection, and short-circuit protection



MODEL

Astec LPT45

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

LPT45

LISTING

<https://aumictechlabs.com/products/lpt45-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Astec LPT45 is a 40W to 55W triple-output AC-DC power supply designed for various industrial and IT equipment applications. It features a universal AC input and a DC input range, offering flexibility in power sourcing. The LPT45 series provides overvoltage, overload, and short-circuit protection on all outputs for enhanced safety and reliability.

Technical Specifications

General Manufacturer: Astec (also associated with Artesyn, Emerson Network Power, Advanced Energy) Series: LPT40-M Series (LPT45 is part of this series) Total Power Output: 40W (convection cooling), 55W (with 30 CFM forced air cooling) Number of Outputs: 3 Outputs Efficiency: Typically 70% at full load

Electrical Specifications Input Voltage: * AC Input: 85V AC to 264V AC * DC Input: 120V DC to 300V DC Nominal Input Voltage: 115V AC Output Voltages (Typical Configuration): * Output 1: +5VDC, 4A (Max. 4A convection, 5A forced air) * Output 2: +15VDC, 2A (Max. 2A convection, 2.5A forced air) * Output 3: -15VDC, 500mA (Max. 0.5A convection, 0.7A forced air) Maximum Output Power: 55W (with forced cooling) Maximum Output Current (per output, varies by configuration and cooling): * +5VDC: Up to 4A (convection) / 5A (forced air) * +15VDC: Up to 2A (convection) / 2.5A (forced air) * -15VDC: Up to 0.5A (convection) / 0.7A (forced air) Maximum Output Voltage: 5.5V Minimum Output Voltage: 4.75V Switching Frequency: 110KHz Protection Features: Overvoltage, overload, and short circuit protection on all outputs Remote Sense: Available on mains output

Environmental Specifications Operating Temperature Range: 0°C to 50°C (ambient temperature) Minimum Operating Temperature: -20°C (for startup) Maximum Operating Temperature: 70°C

Physical Specifications Form Factor: 3" x 5" footprint, less than 1U high Weight: 230 g Mounting: Open Frame Connectors: * AC Input: Molex 09-50-8031 (USA) * DC Outputs: Molex 09-50-8061 (USA)

Compatibility & Certifications Designed to meet: IEC 801-2, -3, -4, -5, -6, Level 3 standards Approvals: UL, cUL, NEMKO, CB, CE safety standards Applications: Industrial, Information Technology Equipment (ITE), Medical equipment

Why Choose Aumictech for Astec LPT45? At Aumictech, we specialize in supplying high-end power supply equipment. Whether you need reliable DC power for industrial automation, flexible input options for IT infrastructure, or solid protection features for critical systems, our team ensures the Astec LPT45 delivers maximum performance for your application.

Features & description

From manufacturer datasheet

Features

- Open-frame triple-output AC-DC switcher (LPT40/LPT45 family)
- Typical rails: +5 V, +15 V, -15 V (LPT45)
- About 40 W convection / 55 W forced air (30 CFM class)
- Universal input about 85–264 VAC; DC input about 120–300 VDC
- Remote sense on main output; adjustable +5 V trim
- Short-circuit and overload protection; OVP on main output
- 3×5 inch footprint; less than 1U height
- Minimum load required on outputs (family)
- Related: LPT40/LPT41/LPT46 siblings; LPT45-T terminal block option

LPT45 Characteristics / Specifications

PARAMETER	VALUE
Model	LPT45 (LPT45-T terminal block variant)
Manufacturer	Astec / Artesyn Embedded Power (Advanced Energy lineage)
Instrument Type	Open-frame AC-DC triple-output switching power supply
Input (AC)	about 85–264 VAC; 47–440 Hz
Input (DC)	about 120–300 VDC
Outputs (LPT45)	+5 V; +15 V; -15 V
Power	about 40 W convection; about 55 W with forced air
Regulation (typical)	±2% output 1; ±5% outputs 2 and 3 cross-regulation class
Efficiency	about 70% typical at full load
Protection	short circuit all outputs; overload foldback; OVP on main output
Remote Sense	compensates about 0.5 V lead drop on main output
Form Factor	open frame; about 5.0 × 3.0 × 1.14 in (127 × 76.2 × 29 mm)
Operating Temperature	0°C to 50°C (70°C with derating on some distributor sheets) Standard Operating Conditions Observe minimum-load requirements on each rail. Provide forced air for >40 W sustained output. Install only within end equipment by qualified professionals.
Typical rails	+5 V, +15 V, -15 V (LPT45)
Related	LPT40/LPT41/LPT46 siblings; LPT45-T terminal block option

LPT45 Specifications

PARAMETER	VALUE
Astec LPT45 Triple Output AC/DC Power Supply	Overview
Key Features	- Open-frame triple-output AC-DC switcher (LPT40/LPT45 family)
Technical Specifications	Model: LPT45 (LPT45-T terminal block variant)

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Operating temperature	0°C to 50°C (70°C with derating on some distributor sheets)
Operating Temperature	0°C to 50°C (70°C with derating on some distributor sheets)

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	LPT45 (LPT45-T terminal block variant)
Manufacturer	Astec / Artesyn Embedded Power (Advanced Energy lineage)
Instrument Type	Open-frame AC-DC triple-output switching power supply
Input (AC)	about 85–264 VAC; 47–440 Hz
Input (DC)	about 120–300 VDC
Outputs (LPT45)	+5 V; +15 V; -15 V

Output Current (forced air, family table): +5 V about 5 A; +15 V about 2.5 A; -15 V about 0.7 A (confirm datasheet for convection vs forced-air derating)

Specifications

PARAMETER	VALUE
Power	about 40 W convection; about 55 W with forced air
Regulation (typical)	±2% output 1; ±5% outputs 2 and 3 cross-regulation class
Efficiency	about 70% typical at full load
Protection	short circuit all outputs; overload foldback; OVP on main output
Remote Sense	compensates about 0.5 V lead drop on main output
Form Factor	open frame; about 5.0 × 3.0 × 1.14 in (127 × 76.2 × 29 mm)
Operating Temperature	0°C to 50°C (70°C with derating on some distributor sheets)

Standard Operating Conditions

Observe minimum-load requirements on each rail. Provide forced air for >40 W sustained output. Install only within end equipment by qualified professionals.

Operational Notes

Confirm LPT45 vs LPT46 (+24 V/+12 V class) and exact output set from the nameplate. Forced-air vs convection ratings differ-derate output current when relying on convection cooling only.

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 2, 2026

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