

**Aumictech**

Test & measurement • bought, sold, repaired, calibrated

Data Sheet

August 15, 2026

EMERSON / ARTESYN / ASTEC

Emerson / Artesyn / Astec LPQ154 150W Power Supply

Artesyn Emerson LPQ154 Quad Output Switching Power Supply 110 to 150 W The Artesyn LPQ154 is the LPQ150-series quad-output supply with fixed 24 V fourth rail. OEM LPQ150 tables rate 110 W convection (75 W with cover) or 150 W with 30 CFM (130 W with cover), auto-ranging AC, remote sense, current share, and power-fail. Embedded systems needing 5 V / +12 V / -12 V / 24 V from one open-frame converter. Quad outputs including dedicated 24 V rail The Artesyn LPQ154 is the LPQ150-series quad-output supply with fixed 24 V fourth rail. OEM LPQ150 tables rate 110 W convection (75 W with cover) or 150 W with 30 CFM (130 W with cover), auto-ranging AC, remote sense, current share, and power-fail. Embedded systems needing 5 V / +12 V / -12 V / 24 V from one open-frame converter. Quad outputs including dedicated 24 V rail Instrument Type: Quad output AC-DC switching power supply

**MODEL****Emerson / Artesyn
/ Astec LPQ154****CALIBRATION****Available on
request****CONDITION****Used****STATUS****In stock****RFQ / SKU****LPQ154****LISTING**[https://aumictechlabs.c
om/products/lpq154-2/](https://aumictechlabs.com/products/lpq154-2/)

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Emerson/Artesyn/Astec LPQ154 is a 150 W open-frame AC/DC power supply engineered for industrial and commercial applications requiring multi-output regulation and load-sharing capability. This quad-output design delivers 5 VDC, 12 VDC, -12 VDC, and 24 VDC rails with individual load regulation and remote sense on the primary output, making it suitable for

distributed power architectures in ITE environments. Technical Specifications Power & Input Maximum output: 150 W (forced air at 30 CFM); 110 W (convection cooling) Input voltage: 85–264 VAC (universal range) Efficiency: 0.75 Output Channels Channel 1: 5 VDC, 22 A max (forced air), 15 A max (convection); $\pm 2\%$ load regulation; 50 mV ripple; 2 A minimum load; 30 A peak Channel 2: 12 VDC, 8 A max (forced air), 6 A max (convection); $\pm 3\%$ load regulation; 120 mV ripple; 0.1 A minimum load; 10 A peak Channel 3: -12 VDC, 2.5 A max (forced air), 2 A max (convection); $\pm 3\%$ load regulation; 120 mV ripple; 0.1 A minimum load; 3 A peak Channel 4: 24 VDC, 4.5 A max (forced air), 3.5 A max (convection); $+10/-5\%$ load regulation; 240 mV ripple; 0.5 A minimum load; 5 A peak Control & Integration Adjustable output and load sharing enabled Remote sense (primary output) Power fail signal Remote inhibit Single-wire current sharing 22-pin connector configuration Physical & Environmental Dimensions: 216 mm L $\times$ 108 mm W $\times$ 38.1 mm H (8.5 in $\times$ 4.25 in $\times$ 1.5 in) Chassis-mount, open-frame construction Weight: 10 lbs Operating temperature: 0°C to 70°C (with derating) Typical Applications Network equipment, telecom infrastructure, industrial control systems, and rack-mount chassis requiring compact multi-rail power with load balancing across distributed subsystems. Compatibility & Integration Commercial-grade approvals. Open-frame architecture permits direct PCB integration or backplane mounting in confined spaces while maintaining thermal management through forced-air or convection cooling options.

LPQ154 Characteristics / Specifications

PARAMETER	VALUE
Model	LPQ154
Series	LPQ150
Instrument Type	Quad output AC-DC switching power supply
Output 1 Voltage	5 V
Output 1 Minimum Load	2 A
Output 1 Maximum Convection	15 A
Output 1 Maximum Forced Air	22 A
Output 1 Peak	30 A
Output 1 Regulation	plus or minus 2 percent
Output 1 Ripple	50 mV p-p
Output 2 Voltage	12 V
Output 2 Minimum Load	0.1 A
Output 2 Maximum Convection	6 A
Output 2 Maximum Forced Air	8 A
Output 2 Peak	10 A
Output 2 Regulation	plus or minus 3 percent
Output 2 Ripple	120 mV p-p
Output 3 Voltage	-12 V
Output 3 Minimum Load	0.1 A
Output 3 Maximum Convection	2 A
Output 3 Maximum Forced Air	2.5 A
Output 3 Peak	3 A
Output 3 Regulation	plus or minus 3 percent
Output 3 Ripple	120 mV p-p
Output 4 Voltage	24 V

PARAMETER	VALUE
Output 4 Minimum Load	0.5 A
Output 4 Maximum Convection	3.5 A
Output 4 Maximum Forced Air	4.5 A
Output 4 Peak	5 A
Output 4 Regulation	+10 / -5 percent
Output 4 Ripple	240 mV p-p
Maximum Power Convection	110 W (75 W with cover)
Maximum Power Forced Air	150 W (130 W with cover)
Hold Up Time	20 ms at 110 W nominal line
Overvoltage Protection Main	5.7 to 6.7 Vdc
Overload Protection	110 to 145 percent above peak rating
Safety Ground Leakage	0.5 mA at 50/60 Hz 264 Vac
Operating Temperature	0 to 50 C derate 2.5 percent perCto 70 C
Storage Temperature	-40 to plus 85 C
Form Factor Class	4.25 × 8.5 inch open frame

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Storage temperature	40 to plus 85 C
Operating temperature	0 to 50 C derate 2.5 percent perCto 70 C
Operating Temperature	0 to 50 C derate 2.5 percent perCto 70 C
Form Factor Class	4.25 × 8.5 inch open frame Notes From Astec/Artesyn LPQ150 series ordering information row LPQ154. Peak currents lasting less than 30 s at 10 percent maximum duty.

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	LPQ154
Series	LPQ150
Instrument Type	Quad output AC-DC switching power supply
Output 1 Voltage	5 V
Output 1 Minimum Load	2 A
Output 1 Maximum Convection	15 A
Output 1 Maximum Forced Air	22 A
Output 1 Peak	30 A
Output 1 Regulation	plus or minus 2 percent
Output 1 Ripple	50 mV p-p
Output 2 Voltage	12 V
Output 2 Minimum Load	0.1 A
Output 2 Maximum Convection	6 A
Output 2 Maximum Forced Air	8 A
Output 2 Peak	10 A
Output 2 Regulation	plus or minus 3 percent
Output 2 Ripple	120 mV p-p
Output 3 Voltage	-12 V
Output 3 Minimum Load	0.1 A
Output 3 Maximum Convection	2 A
Output 3 Maximum Forced Air	2.5 A
Output 3 Peak	3 A
Output 3 Regulation	plus or minus 3 percent
Output 3 Ripple	120 mV p-p
Output 4 Voltage	24 V
Output 4 Minimum Load	0.5 A

PARAMETER	VALUE
Output 4 Maximum Convection	3.5 A
Output 4 Maximum Forced Air	4.5 A
Output 4 Peak	5 A
Output 4 Regulation	+10 / -5 percent
Output 4 Ripple	240 mV p-p
Maximum Power Convection	110 W (75 W with cover)
Maximum Power Forced Air	150 W (130 W with cover)
Hold Up Time	20 ms at 110 W nominal line
Overvoltage Protection Main	5.7 to 6.7 Vdc
Overload Protection	110 to 145 percent above peak rating
Safety Ground Leakage	0.5 mA at 50/60 Hz 264 Vac
Operating Temperature	0 to 50 C derate 2.5 percent perCto 70 C
Storage Temperature	-40 to plus 85 C
Form Factor Class	4.25 x 8.5 inch open frame

Notes

From Astec/Artesyn LPQ150 series ordering information row LPQ154. Peak currents lasting less than 30 s at 10 percent maximum duty.

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 15, 2026

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