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Data Sheet

August 15, 2026

EMERSON / ARTESYN / ASTEC

Emerson / Artesyn / Astec LPQ152 150W Power Supply

Artesyn Emerson LPQ152 Quad Output Switching Power Supply 110 to 150 W The Artesyn (Emerson / Astec) LPQ152 is the quad-output member of the LPQ150 series with floating adjustable fourth rail. OEM LPQ150 datasheets rate auto-ranging AC input, 110 W convection or 150 W with 30 CFM, remote sense on the main, remote inhibit, current share, and power-fail. Embedded systems needing 5 V logic plus plus/minus 12 V and an adjustable floating rail from one open-frame supply. Quad outputs with floating adjustable fourth rail 5 to 25 V The Artesyn (Emerson / Astec) LPQ152 is the quad-output member of the LPQ150 series with floating adjustable fourth rail. OEM LPQ150 datasheets rate auto-ranging AC input, 110 W convection or 150 W with 30 CFM, remote sense on the main, remote inhibit, current share, and power-fail. Embedded systems needing 5 V logic plus plus/minus 12 V and an adjustable floating rail from one open-frame supply. Quad outputs with floating adjustable fourth rail 5 to 25 V Single-wire current sharing and power-fail



MODEL

**Emerson / Artesyn
/ Astec LPQ152**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

LPQ152

LISTING

<https://aumictechlabs.com/products/lpq152-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Emerson/Artesyn/Astec LPQ152 is a 150W quad-output open-frame AC/DC power supply engineered for industrial and commercial electronic systems requiring multi-voltage rails and

precise regulation. This unit delivers 150W with 30 CFM forced air cooling, or 110W convection-cooled, and accepts universal AC input (85–132 VAC or 170–264 VAC auto-ranging) plus 220–300 VDC, operating across 47–63 Hz. Four independently regulated outputs - 5V, 12V, -12V, and a user-adjustable ± 5 –25V rail - accommodate diverse circuit topologies, with cross-regulation held to $\pm 2\%$ on the main 5V output and $\pm 3\%$ on secondary rails. The unit integrates short-circuit, overload, and overvoltage protection across all outputs, remote inhibit control, power-fail signaling, remote sense compensation, and single-wire current sharing for scalable designs. EMI compliance covers FCC Class B, CISPR 22 Class B, EN55022 Class B, and VDE 0878 Part 3 Class B. Hold-up time reaches 20 ms at 110W load, ensuring stable operation during mains transients. Reverse-connection protected design and comprehensive logic control features simplify integration into safety-critical and high-reliability applications.

Technical Specifications
Input: 85–132 VAC / 170–264 VAC (auto-ranging) or 220–300 VDC; 47–63 Hz; 38 A max inrush (cold start, 25°C)
Outputs: 4 independent rails - 5V @ 22 A, 12V @ 8 A, -12V @ 2.5 A, ± 5 –25V adjustable @ 3 A (at 30 CFM forced air)
Regulation: $\pm 2\%$ (5V rail); $\pm 3\%$ (all secondary outputs); cross-regulation $\pm 2\%/\pm 3\%$ respectively
Ripple: 50 mV (5V); 120 mV (± 12 V); 240 mV (adjustable output)
Hold-up Time: 20 ms @ 110W load, nominal line
Dimensions: 216 mm $\times$ 108 mm $\times$ 38.1 mm; 800 g
Cooling: 150W (30 CFM forced); 110W (convection); 130W (forced air with cover)
Key Features Quad-output topology with independent voltage adjustment (± 5 –25V) TTL power-fail signal and remote inhibit logic control Remote sense compensation (0.5 V min lead-drop tolerance) Single-wire current sharing for parallel operation Overload protection at 110–145% above peak rating Short-circuit and overvoltage (5.7–6.7 VDC) protection on all outputs Reverse-connection protected Built-in EMI filter meeting Class B standards

Typical Applications Industrial control and instrumentation systems Test equipment and measurement platforms Telecommunications and networking infrastructure Commercial electronic assemblies requiring multi-rail power

Compatibility & Integration Operates across 0°C to +50°C ambient; derate outputs 2.5% per degree from 50°C to 70°C. Available with optional cover housing (-C suffix). TTL-compatible control signals enable seamless integration into logic-controlled power distribution schemes.

LPQ152 Characteristics / Specifications

PARAMETER	VALUE
Model	LPQ152
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	adjustable 5 to 25 V floating factory 5 V

PARAMETER	VALUE
Output 4 Maximum Convection	2.5 A
Output 4 Maximum Forced Air	3 A
Output 4 Peak	3 A
Output 4 Ripple	240 mV p-p maximum
Input Voltage Ac	85 to 132 Vac or 170 to 264 Vac automatically selected
Input Voltage Dc	220 to 300 Vdc
Input Frequency	47 to 63 Hz
Inrush Current	38 A maximum cold start at 25 C
Efficiency Typical	75 percent at full load
Maximum Power Convection	110 W (75 W with cover)
Maximum Power Forced Air	150 W with 30 CFM (130 W with cover)
Hold Up Time	20 ms at 110 W load nominal line
Overvoltage Protection Main	5.7 to 6.7 VDC
Switching Frequency	135 kHz
Operating Temperature	0 to 50 C derate 2.5 percent perCfrom 50 to 70 C
Storage Temperature	-40 to plus 85 C
Temperature Coefficient	plus or minus 0.04 percent perCMtbf Demonstrated: greater than 550000 hours at full load 25 C
Dimensions LxWxH	8.5 × 4.25 × 1.5 inches (216 × 108 × 38.1 mm)
Mass	1.75 lb / 0.80 kg
Safety Ground Leakage	0.5 mA at 50/60 Hz 264 Vac

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Storage temperature	40 to plus 85 C
Operating temperature	0 to 50 C derate 2.5 percent perCfrom 50 to 70 C
Operating Temperature	0 to 50 C derate 2.5 percent perCfrom 50 to 70 C
Temperature Coefficient	plus or minus 0.04 percent perCMtbf Demonstrated: greater than 550000 hours at full load 25 C
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Mass	1.75 lb / 0.80 kg
Safety Ground Leakage	0.5 mA at 50/60 Hz 264 Vac Notes From Astec/Artesyn LPQ150 series datasheet ordering row LPQ152. Minimum loads apply per OEM table; peak currents 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	
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Output 2 Maximum Forced Air	8 A
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Output 2 Regulation	plus or minus 3 percent
Output 2 Ripple	120 mV p-p
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Output 3 Maximum Convection	2 A
Output 3 Maximum Forced Air	2.5 A
Output 3 Peak	3 A
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Notes

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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

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30-day returns
NAICS 423690 · 811210 · 541380
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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.