

**Aumictech**

Test & measurement • bought, sold, repaired, calibrated

Data Sheet

August 15, 2026

EMERSON / ARTESYN / ASTEC

Emerson / Artesyn / Astec LPQ252-C Power Supply Module

The Emerson/Artesyn/Astec LPQ252-C is a 250 W enclosed power supply module designed for industrial and embedded systems requiring multi-output DC conversion. It accepts wide-range AC and DC inputs (85–264 VAC, 120–300 VDC, 47–440 Hz) and delivers four independently regulated outputs with active power factor correction and built-in EMI filtering. Short-circuit and overload protection on all four outputs; case protection at 110–145% above peak rating. Overvoltage thresholds: 5.7–6.7 VDC on the 5 V rail; 10–25% above nominal on others. Power fail and DC-OK signals (TTL logic) transition 50–150 msec after 5 V output, settling 4 msec before regulation loss.

**MODEL****Emerson / Artesyn /
Astec LPQ252-C****CALIBRATION****Available on request****CONDITION****Used****STATUS****In stock****RFQ / SKU****LPQ252-C****LISTING**<https://aumictechlabs.com/products/lpq252-c-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Emerson/Artesyn/Astec LPQ252-C is a 250 W enclosed power supply module designed for industrial and embedded systems requiring multi-output DC conversion. It accepts wide-range AC and DC inputs (85–264 VAC, 120–300 VDC, 47–440 Hz) and delivers four independently regulated outputs with active power factor correction and built-in EMI filtering. Technical Specifications Input stage operates across 85–264 VAC or 120–300 VDC at 47–440 Hz with 0.99 typical power factor and IEC/EN61000-3-2 compliance. Maximum inrush current is 20 A at cold start (25°C). Four isolated outputs provide: +5 V at 35 A continuous (40 A peak), +12 V at 10 A continuous (12 A peak), –12 V at 6 A continuous (8 A peak), and a

fourth adjustable output (± 5 V to ± 25 V nominal) at 6 A continuous (8 A peak). Peak currents are limited to less than 30 seconds with maximum 10% duty cycle. Output voltage regulation (typical at 25°C): $\pm 2\%$ on the 5 V rail; $\pm 3\%$ on all others. Ripple and noise (peak-to-peak): 50 mV on +5 V, 120 mV on ± 12 V outputs, 240 mV maximum on the adjustable fourth output. The 5 V supervisory output supplies 100 mA regulated; the 12 V supervisory output supplies 500 mA. Key Features Short-circuit and overload protection on all four outputs; case protection at 110–145% above peak rating Overvoltage thresholds: 5.7–6.7 VDC on the 5 V rail; 10–25% above nominal on others Thermal overload protection Power fail and DC-OK signals (TTL logic) transition 50–150 msec after 5 V output, settling 4 msec before regulation loss Remote inhibit/on-off control via external contact (N.O. or N.C.) Remote sense compensates 0.5 V minimum lead drop; operates without remote sense; reverse-connection protected Single-wire current sharing capability Operating temperature: 0–50°C ambient with 2.5% per-degree derating from 50–70°C Typical Applications Multi-rail embedded systems, industrial control boards, telecommunications equipment, and distributed power architectures requiring regulated positive and negative outputs with field-adjustable secondary rails. Compatibility & Integration 30 CFM forced-air cooling required for full 250 W output rating. Fourth output factory-set to 5 V with $\pm 5\%$ adjustment range on main outputs.

LPQ252C Characteristics / Specifications

PARAMETER	VALUE
Model	LPQ252-C
Series	LPQ250
Instrument Type	Quad output AC-DC switching power supply with cover
Output 1 Voltage	5 V
Output 1 Minimum Load	3 A
Output 1 Maximum Forced Air	35 A
Output 1 Peak	40 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 A
Output 2 Maximum Forced Air	10 A
Output 2 Peak	12 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 A
Output 3 Maximum Forced Air	6 A
Output 3 Peak	8 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
Output 4 Minimum Load	0 A
Output 4 Maximum Forced Air	6 A
Output 4 Peak	8 A

PARAMETER	VALUE
Output 4 Regulation	plus or minus 3 percent
Output 4 Ripple	240 mV p-p maximum
Maximum Power With Cover	250 W with 30 CFM forced air
Input Voltage Ac	85 to 264 Vac
Input Voltage Dc	120 to 300 Vdc
Hold Up Time	16 ms at 250 W load 115 Vac nominal
Overvoltage Protection 5 V	5.7 to 6.7 Vdc
Overload Protection	110 to 145 percent above peak rating
Supervisory Output 5 V	100 mA regulated
Supervisory Output 12 V	500 mA
Switching Frequency	120 kHz
Adjustment Range Main	plus or minus 5 percent minimum
Cooling Requirement	30 CFM forced air required not convection rated
Fan Cover Alias	LPQ252-CF top fan
End Fan Alias	LPQ252-CEF dual end fan with AC inlet

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	LPQ252-C
Series	LPQ250
Instrument Type	Quad output AC-DC switching power supply with cover
Output 1 Voltage	5 V
Output 1 Minimum Load	3 A
Output 1 Maximum Forced Air	35 A
Output 1 Peak	40 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 A
Output 2 Maximum Forced Air	10 A
Output 2 Peak	12 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 A
Output 3 Maximum Forced Air	6 A
Output 3 Peak	8 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
Output 4 Minimum Load	0 A
Output 4 Maximum Forced Air	6 A
Output 4 Peak	8 A
Output 4 Regulation	plus or minus 3 percent

PARAMETER	VALUE
Output 4 Ripple	240 mV p-p maximum
Maximum Power With Cover	250 W with 30 CFM forced air
Input Voltage Ac	85 to 264 Vac
Input Voltage Dc	120 to 300 Vdc
Hold Up Time	16 ms at 250 W load 115 Vac nominal
Overvoltage Protection 5 V	5.7 to 6.7 Vdc
Overload Protection	110 to 145 percent above peak rating
Supervisory Output 5 V	100 mA regulated
Supervisory Output 12 V	500 mA
Switching Frequency	120 kHz
Adjustment Range Main	plus or minus 5 percent minimum
Cooling Requirement	30 CFM forced air required not convection rated
Fan Cover Alias	LPQ252-CF top fan
End Fan Alias	LPQ252-CEF dual end fan with AC inlet

Notes

From Artesyn LPQ250 series datasheet rows LPQ252-C and cover/fan suffix notes. CF adds top fan cover; CEF adds dual end-mounted fan cover and AC inlet on the same electrical ratings.

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.