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Data Sheet

August 15, 2026

EMERSON / ARTESYN / ASTEC

Emerson / Artesyn / Astec LPQ252 Power Supply Module

Artesyn Emerson LPQ252 Quad Output Switching Power Supply 250 W The Artesyn LPQ252 is the cover version of the LPQ250-series quad-output 250 W supply with +5 / +12 / -12 / floating 5-25 V rails. OEM LPQ250 datasheets require 30 CFM forced air for rated power, active PFC, remote sense, current share, and supervisory 5 V / 12 V outputs. Higher-power embedded and industrial systems needing quad rails with PFC and fan-cooled cover options. Active power factor correction EN61000-3-2 The Artesyn LPQ252 is the cover version of the LPQ250-series quad-output 250 W supply with +5 / +12 / -12 / floating 5-25 V rails. OEM LPQ250 datasheets require 30 CFM forced air for rated power, active PFC, remote sense, current share, and supervisory 5 V / 12 V outputs. Higher-power embedded and industrial systems needing quad rails with PFC and fan-cooled cover options. Active power factor correction EN61000-3-2 Adjustable floating fourth output 5 to 25 V



MODEL

**Emerson / Artesyn
/ Astec LPQ252**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

LPQ252

LISTING

<https://aumictechlabs.com/products/lpq252-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Emerson/Artesyn/Astec LPQ252 is a 250 W enclosed AC-DC power supply module engineered for ITE applications requiring multi-output voltage delivery. This unit supplies four independent outputs - three fixed and one adjustable - with active power factor correction and

integrated EMI filtering. The design incorporates short-circuit protection across all outputs, overvoltage clamping, and thermal overload safeguards. Remote sense compensation, DC-OK and power-fail TTL signaling, and single-wire current sharing enable flexible integration into distributed power architectures.

Technical Specifications

Input Characteristics

Input voltage: 85–264 VAC or 120–300 VDC

Input frequency: 47–440 Hz

Efficiency: Typically 75% at full load

Hold-up time: 16 ms at 250 W load, 115 VAC nominal

Output Configuration

Output 1: 5 VDC, 35 A continuous / 40 A peak, $\pm 2\%$ regulation, 50 mV ripple

Output 2: 12 VDC, 10 A continuous / 12 A peak, $\pm 3\%$ regulation, 120 mV ripple

Output 3: –12 VDC, 6 A continuous / 8 A peak, $\pm 3\%$ regulation, 120 mV ripple

Output 4: ± 5 V to 25 V adjustable (factory set 5 V), 6 A continuous / 8 A peak, $\pm 3\%$ regulation, 240 mV max ripple

Supervisory outputs: 5 V @ 100 mA and 12 V @ 500 mA (both regulated)

Protection and Control

Overvoltage clamp on 5 V output: 5.7–6.7 VDC

Remote inhibit/on-off via external N.O. or N.C. contact

Power-fail and DC-OK TTL signals: transition 50–150 ms after 5 V output availability

Remote sense: 0.5 V lead-drop compensation

Current sharing: Single-wire topology

Physical and Regulatory Dimensions: 262 mm L $\times$ 127 mm W $\times$ 50.8 mm H

Weight: Approximately 1.19–1.41 kg

Certifications: UL, CSA, CE, CB, BABT, VDE, NEMKO; EMC compliance per CISPR 22, EN55022, EN61000-3-2, FCC Class B

Key Features

Active power factor correction minimizes input harmonic distortion

Multi-output architecture with both positive and negative rails

Wide input frequency tolerance: 47–440 Hz operation

TTL-compatible signaling for power-fail and regulation-OK monitoring

Short-circuit protection at 110–145% above peak output rating

Typical Applications

Distributed power systems in enterprise computing equipment

Multi-voltage rail supply for telecommunications infrastructure

Industrial control and networking equipment requiring redundant voltage rails

Compatibility & Integration

The LPQ252 integrates into systems via standard TTL control signals and remote sense leads. Single-wire current sharing allows paralleling for increased capacity. The adjustable fourth output accommodates custom voltage requirements within the ± 5 V to 25 V range.

LPQ252 Characteristics / Specifications

PARAMETER	VALUE
Model	LPQ252
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	LPQ252F top fan
End Fan Alias	LPQ252EF 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	
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PARAMETER	VALUE
Model	LPQ252
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	LPQ252F top fan
End Fan Alias	LPQ252EF dual end fan with AC inlet

Notes

From Artesyn LPQ250 series datasheet rows LPQ252 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

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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.