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Data Sheet

August 15, 2026

EMERSON / ARTESYN / ASTEC

Emerson / Artesyn / Astec LPQ252-CF Power Supply Module

Emerson / Artesyn / Astec Power Supply Modules. Current: 4.5 A, Current: 20 A maximum at 25 °C cold start.



MODEL

**Emerson / Artesyn
/ Astec LPQ252-
CF**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

LPQ252-CF

LISTING

[https://aumictechlabs.c
om/products/lpq252-cf
-2/](https://aumictechlabs.com/products/lpq252-cf-2/)

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Emerson/Artesyn/Astec LPQ252-CF is a 250 W enclosed AC-DC power supply module engineered for industrial and IT applications requiring multiple output voltages and tight regulation. It accepts both AC (85–264 VAC, 47–440 Hz) and DC (120–300 VDC) inputs, delivering four independently regulated outputs: +5 VDC, +12 VDC, –12 VDC, and an adjustable ± 5 –25 VDC channel. Active power factor correction and integrated EMI filtering minimize line disturbance and noise. Technical Specifications Input & Efficiency AC input: 85–264 VAC, 47–440 Hz; DC input: 120–300 VDC Maximum input current: 4.5 A Efficiency: 75% typical at full load Power factor: 0.99 typical Inrush current: 20 A maximum at 25 °C cold start Safety ground leakage: <0.5 mA @ 50/60 Hz, 264 VAC Output Channels +5 VDC: 35 A maximum, 40 A peak ($\pm 2\%$ regulation, 50 mV p-p ripple) +12 VDC: 10 A maximum, 12 A peak ($\pm 3\%$ regulation, 120 mV p-p ripple) –12 VDC: 6 A

maximum, 8 A peak ($\pm 3\%$ regulation, 120 mV p-p ripple) ± 5 –25 VDC adjustable: 6 A maximum, 8 A peak ($\pm 3\%$ regulation, 240 mV p-p ripple max.) Protection & Monitoring Short-circuit protection on all outputs; case overload at 110–145% above peak rating Overvoltage protection: +5 V at 5.7–6.7 VDC; other outputs 10–25% above nominal Thermal overload protection enabled Hold-up time: 16 ms @ 250 W load, 115 VAC nominal Minimum load: 3 A required on +5 V; 0 A on others Key Features Quad-output architecture with independent regulation on each channel Supervisory outputs: +5 V @ 100 mA, +12 V @ 500 mA TTL power-fail and DC power-good signals with 50–150 msec assertion time Remote inhibit via external contact (N.O. or N.C.) Remote sense compensation (0.5 V lead drop minimum) Single-wire current sharing Convection-cooled operation; optional fan cover (-CF) available for forced-air modes Peak load capability: <30 seconds duration, 10% maximum duty cycle Typical Applications Industrial process control, IT infrastructure, embedded systems, telecommunications equipment, and test stations requiring stable, regulated multi-voltage supplies with supervisory signaling.

LPQ252CF 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	
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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
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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

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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.