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Data Sheet

August 15, 2026

EMERSON / ARTESYN / ASTEC

Emerson / Artesyn / Astec CVN300-96P01A-01 Power Supply

Emerson / Artesyn / Astec DC Power Supplies. Voltage: 90VAC to 264VAC (universal range), Current: < 5A, Channels: +5V @ 26A.

**MODEL****Emerson / Artesyn / Astec CVN300-96P01A-01****CALIBRATION****Available on request****CONDITION****Used****STATUS****In stock****RFQ / SKU****CVN300-96P01A-01****LISTING**<https://aumictechlabs.com/products/cvn300-96p01a-01-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Emerson/Artesyn/Astec CVN300-96P01A-01 is a single-phase AC-to-DC power supply delivering up to 300W continuous power for entry-level server systems and industrial equipment. This unit accepts universal input voltage from 90VAC to 264VAC with active inrush current limiting (65A maximum at 264VAC cold start) and provides five isolated output channels with integrated output voltage tracking, remote sensing on the +3.3V rail, and latching protection across all rails. The supply incorporates variable-speed fan cooling with integrated fan monitoring and control signals, and fully complies with Server Systems Infrastructure (SSI) specifications, EN61000-3-2, UL, CSA, VDE, and FCC/CISPR Class B emissions standards. Technical Specifications Input voltage: 90VAC to 264VAC (universal range) Input current: <5 Arms at minimum line and maximum load Inrush current limiting: Active; 65A maximum at 264VAC, 25°C ambient Total

output power: 300W continuous maximum Combined 3.3V and 5V output power: 167W maximum

Key Features Five isolated output channels: +5V @ 26A, +3.3V @ 16A, +12V @ 10A, -12V @ 0.5A, +5VSB @ 0.8A Output voltage tracking: $\pm 2.25V$ maximum difference between +3.3V and +5V during turn-on; all three main rails reach regulation within 100msec of each other Regulation performance: Nominal voltage attained within 0.5 seconds; 10% to regulation achieved in 70msec maximum at full load; load step slew rates $\leq 0.2A/\mu\text{sec}$ within 50Hz to 10kHz repetition Remote sensing on +3.3V output Latching short-circuit and overcurrent protection on all outputs; +5VSB short-circuit disables all rails Overcurrent threshold: 10A/sec ramp from full load per CSA C22.2

No. 234 Level 3 Variable-speed cooling fan with integrated monitoring and control signals

Typical Applications Entry-level server computer systems Industrial control and telecommunications equipment Commercial power distribution systems

Compatibility & Integration Full compliance with Server Systems Infrastructure (SSI) specifications ensures interoperability with standard server architectures. EMC certification (EN61000-3-2, FCC/CISPR Class B) qualifies the unit for commercial and industrial deployment.

CVN30096P01A Characteristics / Specifications

PARAMETER	VALUE
Model	CVN300-96P01A-01
Instrument Type	AC/DC entry-level EPS power supply
Output Power	300 W
Outputs	five output +3.3 / +5 / +12 / -12 / +5.0 VSB
Input	universal input voltage range
Power Factor	power factor correction
Harmonic Current	EN61000-3-2
Emi	CISPR classBconducted
Safety	UL, CSA, and VDE safety agency approvals
Standard	Server Systems Infrastructure (SSI) entry-level power supply (EPS) compliant
Family	Artesyn CVN300
Form Factor	EPS / entry-level server supply
Manufacturer	Artesyn / Emerson / Astec
Use Case	300 W multi-rail AC/DC
Control	ATX/EPS enable and 5 VSB
Operating Temperature Class	server PSU
Literature	Artesyn CVN300-96P01A AC/DC entry-level power supply EPS product brief
Documentation Type	OEM EPS product brief
Brand Lineage	Artesyn Emerson Astec
System Role	300 W five-output PSU
Holdup Class	EPS hold-up class
Fan Class	integral cooling class
Connector Class	EPS/ATX output harness class
Related Mp Modules	73-554 dual MP plug-in family

PARAMETER	VALUE
Operating temperature	Class: server PSU

CVN30096P01A Specifications

PARAMETER	VALUE
Applications	Entry-level SSI/EPS 300 W server and industrial ATX-class hosts.
Key Features	300 W five-output EPS
Technical Specifications	Model: CVN300-96P01A-01

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Operating temperature	Class: server PSU
Operating Temperature	Class: server PSU
Operating Temperature Class	server PSU
Literature	Artesyn CVN300-96P01A AC/DC entry-level power supply EPS product brief
Documentation Type	OEM EPS product brief
Brand Lineage	Artesyn Emerson Astec
System Role	300 W five-output PSU
Holdup Class	EPS hold-up class
Fan Class	integral cooling class
Connector Class	EPS/ATX output harness class
Related Mp Modules	73-554 dual MP plug-in family Notes From Artesyn CVN300-96P01A product brief (300 W, five rails +3.3/+5/+12/-12/+5 VSB, universal input, PFC, SSI EPS, EN61000-3-2, CISPR B). Per-rail current ratings and efficiency are on the CVN300-96P01A electrical table.

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	CVN300-96P01A-01
Instrument Type	AC/DC entry-level EPS power supply
Output Power	300 W
Outputs	five output +3.3 / +5 / +12 / -12 / +5.0 VSB
Input	universal input voltage range
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Harmonic Current	EN61000-3-2
Emi	CISPR classBconducted
Safety	UL, CSA, and VDE safety agency approvals
Standard	Server Systems Infrastructure (SSI) entry-level power supply (EPS) compliant
Family	Artesyn CVN300
Form Factor	EPS / entry-level server supply
Manufacturer	Artesyn / Emerson / Astec
Use Case	300 W multi-rail AC/DC
Control	ATX/EPS enable and 5 VSB
Operating Temperature Class	server PSU
Literature	Artesyn CVN300-96P01A AC/DC entry-level power supply EPS product brief
Documentation Type	OEM EPS product brief
Brand Lineage	Artesyn Emerson Astec
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Holdup Class	EPS hold-up class
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Notes

From Artesyn CVN300-96P01A product brief (300 W, five rails +3.3/+5/+12/-12/+5 VSB, universal input, PFC, SSI EPS, EN61000-3-2, CISPR B). Per-rail current ratings and efficiency are on the CVN300-96P01A electrical table.

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.