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Data Sheet

August 15, 2026

CONDOR

Condor NMX-754-1224 750 Watts Power Supply

The Condor NMX-754-1224 is a 750-watt power supply designed for industrial and commercial applications. It features a wide input voltage range, active power factor correction, and comprehensive protection circuitry. This power supply delivers reliable and efficient power to demanding systems.



MODEL

Condor NMX-754-1224

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

NMX-754-1224

LISTING

<https://aumictechlabs.com/products/nmx-754-1224-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Condor NMX-754-1224 is a 750 W AC/DC power supply engineered for industrial and commercial systems requiring multiple regulated outputs and high reliability. This four-output converter accepts universal AC input from 90 to 264 VAC at 47 to 63 Hz, delivering 5V at 120A as its primary output alongside auxiliary rails at 12V, -12V, and 24V. Active power factor correction achieves 0.99 typical at full load and meets EN61000-3-2 compliance. Technical Specifications Input & Protection AC input: 90 to 264 VAC, 47 to 63 Hz (continuous) Power factor: 0.99 typical at full load Inrush current: <50 A at 115 VAC; <100 A at 230 VAC (thermistor-limited) Brownout protection: Holds regulation to 85 VAC Holdup time: ≥20 ms at full load AC power fail signal: TTL low 5 ms before output dropout Output Ratings Output 1: 5V, 120A Output 2: 12V, 12A (peak 20A) Output 3: -12V, 10A Output 4: 24V, 3A Output Performance Line and load regulation: ±1% (Outputs 1, 2, 4); ±4% (Output 3, requires ≥20% load on outputs 2 and 3) Ripple and noise: <1%

peak-peak or 100 mV (whichever greater) Temperature coefficient: 0.02% per °C (Outputs 1, 2, 4)
Stability: 0.1% over 8 hours (post 30-minute warm-up) Transient response: <500 µs to ±1% for
50% load step; peak <5% Adjustability: Outputs 1, 2, and 4 user-adjustable ±5% minimum Remote
sense: Available on Outputs 1, 2; compensates 250 mV line drop with open-lead protection
Overload/short-circuit protection: All outputs with automatic recovery Efficiency: 75% typical Key
Features Dual converter design isolates logic and auxiliary outputs Forced current sharing enables
N+1 redundancy configurations Remote inhibit functionality DC Power Good signal (standard)
Monotonic turn-on and turn-off sequencing Low ripple and noise across all outputs Physical
Specifications Dimensions: 12.72" L × 5.00" W × 2.50" H (323.1 mm × 127.0 mm × 63.5 mm)
Typical Applications Redundant power architectures, telecom infrastructure, industrial control
systems, and equipment requiring multiple isolated voltage rails with strict regulation and low
noise performance.

NMX7541224 Characteristics / Specifications

PARAMETER	VALUE
Model	NMX-754-1224
Family	NMX-750
Instrument Type	PFC multiple output AC/DC power supply
Total Power	750 W
Ac Input	90 to 264 VAC continuous
Input Frequency	47 to 63 Hz
Internal Fuse	15 A
Power Factor Typical	0.99 at full load, EN61000-3-2 Class AInrush 115 Vac: less than 65 A cold start
Inrush 230 Vac	less than 130 A cold start
Brownout Regulation	holds regulation to 85 VAC
Holdup Time	20 ms minimum at full load
Efficiency Typical	75 percent
Output	minus 12 V at 5 A, plus or minus 4 percent with 20 percent min load on outputs 2 and 3
Ripple And Noise	less than 1 percent p-p or 100 mV whichever is greater
Remote Sense Drop	250 mV total line drop, open sense lead protection
Temperature Coefficient	0.02 percent per degreeCon outputs 1, 2, and 4
Stability	0.1 percent over 8 hours after 30 minutes warm-up
Transient Response	returns to within 1 percent in less than 500 us for a 50 percent load change
Overvoltage Trip	output cannot exceed 136 percent of nominal on outputs 1 and 2
Peak Current Duration	30 s maximum
Current Share Accuracy	within 10 percent of full output current rating
Minimum Share Load	12.5 A on plus 5 V
Operating Temperature	0 to 50 C at full ratings

PARAMETER	VALUE
Conducted Rfi	FCC Part 15 ClassAand EN55022 ClassACooling: internal ball-bearing fans
Manufacturer	Condor D.C. Power Supplies / Abaco lineage

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Operating temperature	0 to 50 C at full ratings
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Conducted Rfi	FCC Part 15 ClassAand EN55022 ClassACooling: internal ball-bearing fans
Manufacturer	Condor D.C. Power Supplies / Abaco lineage Notes From Condor NMX-750 datasheet NMX-754-1224 row and family input, holdup, share, and environmental tables. Output 3 regulation requires the stated 20 percent minimum load on outputs 2 and 3.

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	
Technical Specifications	
PARAMETER	VALUE
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Brownout Regulation	holds regulation to 85 VAC
Holdup Time	20 ms minimum at full load
Efficiency Typical	75 percent
Output 1	plus 5 V at 120 A, regulation plus or minus 1 percent
Output 2	plus 12 V at 2 A continuous / 20 A peak, regulation plus or minus 1 percent
Output 3	minus 12 V at 5 A, plus or minus 4 percent with 20 percent min load on outputs 2 and 3
Output 4	plus 24 V at 3 A, regulation plus or minus 1 percent
Ripple And Noise	less than 1 percent p-p or 100 mV whichever is greater
Remote Sense Drop	250 mV total line drop, open sense lead protection
Temperature Coefficient	0.02 percent per degree C on outputs 1, 2, and 4
Stability	0.1 percent over 8 hours after 30 minutes warm-up
Transient Response	returns to within 1 percent in less than 500 us for a 50 percent load change
Overvoltage Trip	output cannot exceed 136 percent of nominal on outputs 1 and 2
Peak Current Duration	30 s maximum

PARAMETER	VALUE
Current Share Accuracy	within 10 percent of full output current rating
Minimum Share Load	12.5 A on plus 5 V
Operating Temperature	0 to 50 C at full ratings
Conducted Rfi	FCC Part 15 Class A and EN55022 Class A
Cooling	internal ball-bearing fans
Manufacturer	Condor D.C. Power Supplies / Abaco lineage

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Notes
From Condor NMX-750 datasheet NMX-754-1224 row and family input, holdup, share, and environmental tables.
Output 3 regulation requires the stated 20 percent minimum load on outputs 2 and 3.

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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NIST-traceable calibration · SAM registered ·
30-day returns
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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.