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Data Sheet

August 15, 2026

ADVANCED ENERGY / ARTESYN

Advanced Energy / Artesyn NFS110-7624 Single Output Power Supply

The Advanced Energy/Artesyn NFS110-7624 is a single-output power supply designed for a variety of applications. It delivers reliable power with a compact form factor. It features solid protection mechanisms against overvoltage and overcurrent. This power supply ensures stable and efficient operation for sensitive electronic equipment.

**MODEL****Advanced Energy /
Artesyn NFS110-
7624****CALIBRATION****Available on
request****CONDITION****Used****STATUS****In stock****RFQ / SKU****NFS110-7624****LISTING**[https://aumictechlabs.c
om/products/nfs110-76
24-2/](https://aumictechlabs.com/products/nfs110-7624-2/)

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Advanced Energy/Artesyn NFS110-7624 is a single-output AC/DC power supply delivering 24 VDC at up to 4.5 A in a compact open-frame package. Built for industrial, networking, and computer systems, it accepts universal AC input (85–264 VAC, 47–67 Hz) or DC input (120–370 VDC) and operates at efficiencies exceeding 90%. The unit has 80 W in convection-cooled mode and 110 W with forced-air cooling (20 CFM), with peak capability to 110 W for transient loads under 60 seconds at duty cycles below 10%. Technical Specifications Input & Output Input Voltage: 85–264 VAC or 120–370 VDC Input Frequency: 47–67 Hz Output: 24 VDC, 4.5 A nominal Voltage Adjustability: 24–30 VDC Maximum Power: 80 W (convection), 110 W (forced air at 20

CFM) Output Characteristics Line Regulation: $\pm 0.1\%$ maximum Output Ripple & Noise: 720 mV peak-to-peak (50 MHz bandwidth, 12-inch twisted pair, 47 μF load) Temperature Coefficient: $\pm 0.02\%/^{\circ}\text{C}$ Efficiency: $>90\%$ typical Hold-up & Leakage Hold-up Time: 35 ms (110 VAC @ 80 W), 17 ms (110 VAC @ 110 W) Leakage Current: 0.2 mA max (110 VAC, 50 Hz), 0.4 mA max (230 VAC, 50 Hz) Environmental & Physical Operating Altitude: 10,000 feet maximum Operating Temperature: Derated from 60°C Vibration: 5–500 Hz, 2.4 G Dimensions: 7.0 $\times$ 4.25 $\times$ 1.8 inches Form Factor: Open frame

Key Features Overvoltage and short-circuit protection with auto-restart High peak current capability for drive and motor loads Wide input voltage acceptance across AC and DC rails Low leakage current for safety-critical installations

Typical Applications Servers and storage devices Thermal printers and POS terminals Vending machine control systems Telecom and industrial equipment Motor and drive applications

Compatibility & Integration Meets EN55022 Level B, EN55011, VDE0805/EN60950, IEC950, IEC1010, UL1950, and CSA C22.2 No. 950. CE marked. Voltage adjustability to 30 VDC permits integration into systems requiring moderate output compensation.

NFS1107624 Characteristics / Specifications

PARAMETER	VALUE
Model	NFS110-7624
Ordering Suffix J	NFS110-7624J RoHS
Instrument Type	Single output AC-DC switching power supply
Output Voltage Nominal	24 V
Output Adjust Range	24 to 30 V
Output Current Convection	3.5 A
Output Current Peak	4.5 A
Output Current Fan	4.5 A
Output Ripple	240 mV
Total Regulation	plus or minus 2.0 percent
Input Voltage Range	85 to 264 Vac or 120 to 370 Vdc
Input Frequency	47 to 440 Hz
Input Surge Current 230 Vac	35 A
Safety Ground Leakage 110 Vac	0.2 mA maximum
Safety Ground Leakage 230 Vac	0.4 mA maximum
Hold Up 110 Vac 80 W	35 ms
Hold Up 110 Vac 110 W	17 ms
Hold Up 230 Vac 80 W	140 ms
Hold Up 230 Vac 110 W	100 ms
Efficiency 24 V Single Typical	75 percent
Isolation Input To Output	3000 Vac
Isolation Input To Chassis	1500 Vac
Switching Frequency At 100 W	20 to 70 kHz
Overvoltage Protection 24 V Single	33 V plus or minus 2.5 V
Maximum Power Convection	80 W

PARAMETER	VALUE
Maximum Power Forced Air	110 W at 20 CFM
Peak Total Power	110 W less than 60 s
Primary Power Limit	Pin max 160 W
Mass Singles	550 g
Mtbf Mil Hdbk 217E	125000 hours
Operating Temperature	0 to plus 70 C with derating
Storage Temperature	-40 to plus 85 C
Humidity	5 to 95 percent RH noncondensing
Altitude Operating	10000 feet maximum
Dimensions	7.0 x 4.25 × 1.8 inches
Transient 24 V 2.25 A to 4.5 A	720 mV peak 1 ms recovery

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Storage temperature	40 to plus 85 C
Operating temperature	0 to plus 70 C with derating
Operating Temperature	0 to plus 70 C with derating
Humidity	5 to 95 percent RH noncondensing
Altitude Operating	10000 feet maximum
Dimensions	7.0 x 4.25 × 1.8 inches
Transient 24 V 2.25 A to 4.5 A	720 mV peak 1 ms recovery Notes From Emerson/Artesyn NFS110 Series datasheet Rev.02.16.07 row NFS110-7624J. Queue SKUs NFS110-7624 and NFS110-7624J map to this model.

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	
Model: NFS110-7624	
Ordering Suffix J: NFS110-7624J RoHS	
Specifications	
PARAMETER	VALUE
Instrument Type	Single output AC-DC switching power supply
Output Voltage Nominal	24 V
Output Adjust Range	24 to 30 V
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Input Surge Current 230 Vac	35 A
Safety Ground Leakage 110 Vac	0.2 mA maximum
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Hold Up 110 Vac 80 W	35 ms
Hold Up 110 Vac 110 W	17 ms
Hold Up 230 Vac 80 W	140 ms
Hold Up 230 Vac 110 W	100 ms
Efficiency 24 V Single Typical	75 percent
Isolation Input To Output	3000 Vac
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Switching Frequency At 100 W	20 to 70 kHz
Overvoltage Protection 24 V Single	33 V plus or minus 2.5 V
Maximum Power Convection	80 W
Maximum Power Forced Air	110 W at 20 CFM
Peak Total Power	110 W less than 60 s

PARAMETER	VALUE
Primary Power Limit	Pin max 160 W
Mass Singles	550 g
Mtbf Mil Hdbk 217E	125000 hours
Operating Temperature	0 to plus 70 C with derating
Storage Temperature	-40 to plus 85 C
Humidity	5 to 95 percent RH noncondensing
Altitude Operating	10000 feet maximum
Dimensions	7.0 x 4.25 x 1.8 inches

Transient 24 V 2.25 A to 4.5 A: 720 mV peak 1 ms recovery

Notes
From Emerson/Artesyn NFS110 Series datasheet Rev.02.16.07 row NFS110-7624J. Queue SKUs NFS110-7624 and NFS110-7624J map to this model.

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.