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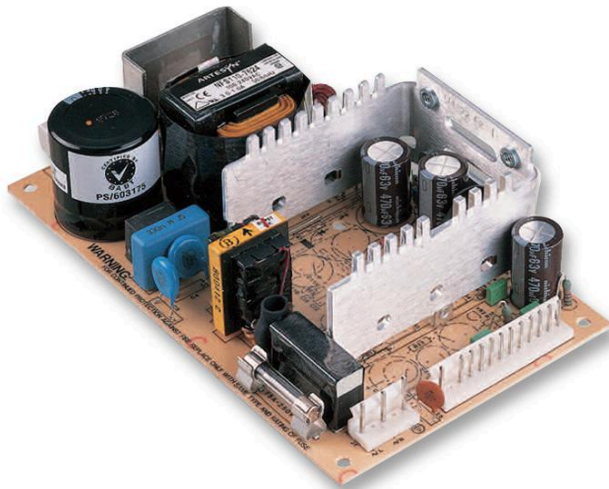
Data Sheet

August 15, 2026

ADVANCED ENERGY / ARTESYN

Advanced Energy / Artesyn NFS110-7624J Single Output Power Supply

Advanced Energy / Artesyn DC Power Supplies. Frequency Range: ** 47Hz - 440Hz, Voltage: ** 24V, Current: ** 4.5A.



MODEL

**Advanced Energy /
Artesyn NFS110-
7624J**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

NFS110-7624J

LISTING

[https://aumictechlabs.c
om/products/nfs110-76
24j-2/](https://aumictechlabs.com/products/nfs110-7624j-2/)

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Advanced Energy / Artesyn NFS110-7624J is a 110W universal input AC/DC open-frame power supply designed for a variety of communication, industrial, and IT applications. It has a single 24V output with a maximum current of 4.5A and can deliver 80W with natural convection cooling, or up to 110W when utilizing 20 CFM of forced air. This power supply is built with solid design principles and high-quality components to ensure stable performance and a long operational life, making it suitable for integration into systems such as servers, thermal printers, storage devices, vending machines, and Point of Sale (POS) equipment. Technical Specifications General Specifications Total Output Power: 80W (convection), 110W (20 CFM forced air) Peak Output Power: Up to 110W for durations less than 60 seconds with a duty cycle less than 10% Input Voltage Range: 85-264 VAC, 120-370 VDC Input Frequency Range: 47Hz - 440Hz Hold-up

Time: * 110VAC @ 80W: 35ms * 110VAC @ 110W: 17ms * 230VAC @ 80W: 140ms * 230VAC @ 110W: 100ms Efficiency: 75% typical for 24V single output Isolation Voltage: * Input/Output: 3000 VAC * Input/Chassis: 1500 VAC Switching Frequency: * At 100W output: 20-70 kHz * At zero load: 100-250 kHz MTBF: 125,000 hours (MIL-HDBK-217E). A minimum load of 11W is recommended to achieve the design MTBF. Weight: 550g (19.4oz) for single output models Electrical Specifications * Output Voltage: 24V Output Current: 4.5A **Current Output 1:** 3.5A (Continuous), 4.5A (Max per datasheet reference, exact configuration dependent) Voltage Adjustability: 24V to 30V Line Regulation: $\pm 0.1\%$ maximum for all outputs Load Regulation: Not explicitly detailed for the 24V output in all sources, but general series specs indicate load regulation is included in total regulation. Specific load conditions may apply for optimal regulation on certain outputs. Overshoot/Undershoot: 0% at turn-on Temperature Coefficient: $\pm 0.02\%/^{\circ}\text{C}$ for all outputs Overvoltage Protection (OVP): 33V $\pm 2.5\text{V}$ for 24V single output Output Power Limit: Primary power limited to 160W (Pin max), minimum 110W (Pout min) Minimum Output Current: 0A (Note: A minimum load of 11W is recommended for MTBF) Short Circuit Protection: Burst mode operation Environmental Specifications Operating Temperature: 0°C to $+70^{\circ}\text{C}$ (with derating) * 80W convection cooled: 0°C to $+50^{\circ}\text{C}$ ambient * Derating for convection cooled above 50°C : $2\text{W}/^{\circ}\text{C}$ * 110W forced air (20CFM): 0°C to $+50^{\circ}\text{C}$ ambient * Derating for forced air above 50°C : $2.75\text{W}/^{\circ}\text{C}$ Non-operating Temperature: -40°C to $+85^{\circ}\text{C}$ Operating Altitude: 10,000 feet maximum Non-operating Altitude: 40,000 feet maximum Relative Humidity: 5% to 95% RH, non-condensing Vibration: 5Hz to 500Hz, 2.4G approx. Interfaces and Features Input/Output: Standard AC input, DC input capable Outputs: Single Output Protection Features: Overvoltage protection, short circuit protection Other Features: Adjustable outputs, Power Fail Detect (PFD) circuit available on some models (not on single output models) Physical Characteristics Form Factor: Open frame, card-style power supply Dimensions: 7.00" L x 4.25" W x 1.80" H (177.8mm x 108.0mm x 45.7mm) Mounting Type: Chassis Mount Grounding: Grounded through the ground conductor of the AC power cable; metallic or non-metallic stand-offs can be used in mounting holes Compliance and Approvals Safety Approvals: UL1950, VDE0805, EN60950, IEC950, IEC1010, CSA C22.2 No. 950 Emissions: * Conducted Emissions: EN55022, FCC part 15, Level B * Radiated Emissions: EN55022, FCC part 15, Level A Immunity: * ESD Air/Contact: EN61000-4-2, levels 3/4 * Surge: EN61000-4-5, level 3 * Fast Transients: EN61000-4-4, level 3 * Radiated Immunity: EN61000-4-3, level 3 * Conducted Immunity: EN61000-4-6, level 3 CE Mark: Yes RoHS Compliance: Available RoHS compliant ('J' suffix indicates Pb-free) Compatibility Applications: Low power data networking, computer, telecom, industrial applications, servers, thermal printers, storage devices, vending machines, POS equipment, ITE (C

NFS1107624J Characteristics / Specifications

PARAMETER	VALUE
Model	NFS110-7624J
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: NFS110-7624J	
Ordering Suffix J: NFS110-7624J RoHS	
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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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NIST-traceable calibration · SAM registered ·
30-day returns
NAICS 423690 · 811210 · 541380
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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.