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Data Sheet

August 15, 2026

ADVANCED ENERGY / ARTESYN / COMPUTER PRODUCTS

Advanced Energy / Artesyn / Computer Products NFS80-7606 Quad Output AC/DC Power Supply Board

The Advanced Energy NFS80-7606 is a quad-output AC/DC power supply board designed for various applications. It delivers multiple voltage outputs to power different components within a system. With a solid design and high efficiency, this power supply ensures reliable performance and stable power delivery.



MODEL

**Advanced Energy /
Artesyn /
Computer
Products NFS80-
7606**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

NFS80-7606

LISTING

[https://aumictechlabs.c
om/products/nfs80-76
06-2/](https://aumictechlabs.com/products/nfs80-7606-2/)

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Advanced Energy / Artesyn / Computer Products NFS80-7606 is an 80 W quad-output AC/DC switching power supply board engineered for industrial applications in data networking, computing, and telecommunications. This open-frame chassis-mount module accepts universal input from 90–264 VAC or 120–370 VDC at 47–440 Hz, delivering four independent regulated outputs with adjustable primary channels and a floating fourth output. Rated for 80 W under

natural convection cooling and up to 110 W with 20 CFM forced-air cooling, the board measures 7.0 × 4.25 × 1.8 inches and weighs 1.323 lbs.

Technical Specifications

Power and Output Configuration

Total output power: 80 W convection cooling; 110 W with 20 CFM forced air

Output 1: +5 VDC @ 8 A Output 2: +24 VDC @ 2.6–1.3 A Output 3: +15 VDC @ 2.5 A Output 4: –15 VDC @ 2.5 A

Line regulation: ±0.1% max. (main and auxiliary outputs) Temperature coefficient: ±0.02%/°C across all outputs

Transient response: 150 mV peak, 1 ms recovery on +5 V output

Hold-up time: 35 ms @ 110 VAC / 80 W; 140 ms @ 230 VAC / 80 W

Protection and Safety

Overvoltage protection: +5 V output at 140% Vout max. Short-circuit protection with auto-recovery enabled

Isolation: 3 kVAC (input/output), 1500 VAC (input/chassis) Safety ground leakage: 0.2 mA @ 110 VAC 60 Hz; 0.4 mA @ 230 VAC 50 Hz

Input surge current: 19 A @ 115 VAC cold start; 38 A @ 230 VAC cold start

Switching frequency: 20–70 kHz

Key Features

Four independent outputs with adjustable primary channels

Floating fourth output for dual-supply topologies

No overshoot/undershoot at turn-on (0%)

UL, VDE, and CSA safety approvals (UL1950, CSA C22.2)

Environmental

Operating temperature: 0–70 °C Storage temperature: –40–85 °C Humidity: 5–95% RH non-condensing

Operating altitude: 10,000 feet max.; non-operating 30,000 feet max.

Vibration tolerance: 5–500 Hz, 2.4 G rms

Typical Applications

Data center equipment, network appliances, telecommunications infrastructure, embedded industrial systems, and multi-rail computing platforms requiring regulated auxiliary rails and isolated negative supplies.

NFS807606 Characteristics / Specifications

PARAMETER	VALUE
Model	NFS80-7606
Series	NFS80
Instrument Type	Quad output AC-DC switching power supply
Output 1 Voltage	5 V
Output 1 Maximum Current Convection	8 A
Output 1 Peak Current	20 A
Output 1 Fan Current	15 A
Output 1 Ripple	50 mV
Output 1 Total Regulation	plus or minus 2.0 percent
Output 2 Voltage	24 V
Output 2 Maximum Current Convection	2 A
Output 2 Peak Current	3 A
Output 2 Fan Current	2.5 A
Output 2 Ripple	240 mV
Output 2 Total Regulation	+10.0/-5.0 percent
Output 3 Voltage	15 V
Output 3 Maximum Current Convection	2.5 A
Output 3 Peak Current	6 A
Output 3 Fan Current	3 A
Output 3 Ripple	150 mV
Output 3 Total Regulation	plus or minus 3.0 percent
Output 4 Voltage	floating plus or minus 15 V
Output 4 Maximum Current Convection	2.5 A
Output 4 Peak Current	6 A
Output 4 Fan Current	3 A

PARAMETER	VALUE
Output 4 Ripple	150 mV
Output 4 Total Regulation	plus or minus 3.0 percent
Maximum Power Convection	80 W
Maximum Power Forced Air	110 W with 20 CFM
Input Voltage Ac	90 to 264 Vac
Input Voltage Dc	120 to 370 Vdc
Input Frequency	47 to 440 Hz
Inrush 115 Vac Cold Start	19 A
Inrush 230 Vac Cold Start	38 A
Hold Up 110 Vac At 80 W	35 ms
Hold Up 110 Vac At 110 W	17 ms
Efficiency Typical	70 percent
Isolation Input To Output	3000 Vac
Isolation Input To Chassis	1500 Vac
Overvoltage Protection Main	140 percent Vout maximum
Minimum Main Output Current	1 A
Switching Frequency	20 to 70 kHz
Operating Temperature	0 to 70 C with derating
Storage Temperature	-40 to plus 85 C
Mass	600 g
Mtbf Mil Handbook 217E At 25 C	250000 hours
Dimensions	7.0 x 4.25 × 1.8 inches

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Storage temperature	40 to plus 85 C
Operating temperature	0 to 70 C with derating
Operating Temperature	0 to 70 C with derating
Mass	600 g
Mtbf Mil Handbook 217E At 25 C	250000 hours
Dimensions	7.0 x 4.25 × 1.8 inches Notes From Emerson Artesyn NFS80 Series datasheet ordering row NFS80-7606 / NFS80-7606J. Queue SKU NFS80-7606HM is a marked/hardware variant of the same 7606 output set; peak currents last less than 60 s at duty cycle less than or equal to 10 percent.

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 Peak Current	3 A
Output 2 Fan Current	2.5 A
Output 2 Ripple	240 mV
Output 2 Total Regulation	+10.0/-5.0 percent
Output 3 Voltage	15 V
Output 3 Maximum Current Convection	2.5 A
Output 3 Peak Current	6 A
Output 3 Fan Current	3 A
Output 3 Ripple	150 mV
Output 3 Total Regulation	plus or minus 3.0 percent
Output 4 Voltage	floating plus or minus 15 V
Output 4 Maximum Current Convection	2.5 A
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PARAMETER	VALUE
Output 4 Total Regulation	plus or minus 3.0 percent
Maximum Power Convection	80 W
Maximum Power Forced Air	110 W with 20 CFM
Input Voltage Ac	90 to 264 Vac
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Input Frequency	47 to 440 Hz
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Notes

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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 ·
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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.