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**Data Sheet**

August 15, 2026

ADVANCED ENERGY / ARTESYN

# Advanced Energy / Artesyn NAN40-7615-01 Power Supply Board

The Advanced Energy/Artesyn NAN40-7615-01 is a power supply board designed for various electronic applications. It efficiently converts AC or DC input power into the specific voltage and current levels required by the connected devices. This board is engineered for reliability and stable performance.



MODEL

**Advanced Energy /  
Artesyn NAN40-  
7615-01**

CALIBRATION

**Available on  
request**

CONDITION

**Used**

STATUS

**In stock**

RFQ / SKU

**NAN40-7615-01**

LISTING

[https://aumictechlabs.c  
om/products/nan40-76  
15-01-2/](https://aumictechlabs.com/products/nan40-7615-01-2/)

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

## This unit

The Artesyn NAN40-7615-01 is a 40-watt open-frame AC/DC power supply engineered for high-volume communication, computer, and industrial applications. This universal input design accepts 90–264 VAC or 120–370 VDC across 47–440 Hz, delivering reliable power in demanding multi-source environments. The board integrates comprehensive protection: overvoltage clamping, short-circuit safeguards with automatic recovery on single outputs, and isolated input stages rated to 3000 VAC (input-to-output). Convection-cooled operation yields 40 W continuously; forced-air cooling (20 CFM) extends peak output to 50 W for up to 60 seconds at duty cycles below 5%. Regulatory compliance spans VDE0805, EN60950, IEC950, IEC1010, UL1950, and CSA

C22.2 No. 950, with conducted and radiated emissions meeting EN55022 and FCC Part 15 Class B/A respectively. Technical Specifications Electrical Performance Output Power: 40 W (convection cooled), 50 W (20 CFM forced air,  $\leq 60$  sec,  $50^{\circ}\text{C}$  ambient; heatsink  $\leq 120^{\circ}\text{C}$ , semiconductor case  $\leq 130^{\circ}\text{C}$ ) Operating altitude: 10,000 feet max Dimensions:  $5.0 \times 3.0 \times 1.2$  inches Emissions & Immunity Conducted/radiated: EN55022, FCC Part 15 Class B/A ESD air: EN61000-4-2 level 3; ESD contact: level 4; Surge: level 3; Fast transients: level 3; Radiated immunity: level 3 (all Performance Criteria 2) Key Features Dual-input universal AC/DC architecture supports global deployment Overvoltage and short-circuit protection with auto-recovery capability 3000 VAC input-to-output isolation for noise-critical systems  $\pm 150$  mV transient accuracy within  $500 \mu\text{s}$  Compact open-frame form factor ( $5.0 \times 3.0 \times 1.2$  inches) Typical Applications 1U-height telecommunications and network equipment Industrial control and sensor power distribution Computer peripheral and server blade supplies Multi-output distributed power architectures Compatibility & Integration The NAN40-7615-01 conforms to UL, VDE, CSA, and IEC standards, ensuring deployment in regulated telecommunications and industrial environments. Variable switching frequency minimizes conducted emissions without requiring external filtering in Class B installations.

## NAN407615 Characteristics / Specifications

| PARAMETER                 | VALUE                                                |
|---------------------------|------------------------------------------------------|
| Model                     | NAN40-7615                                           |
| Also Known As             | NAN40-7615-01                                        |
| Instrument Type           | Single-output open-frame AC/DC power supply          |
| Family                    | Artesyn NAN40 / NAL40                                |
| Output Voltage            | 15 V                                                 |
| Output Current Convection | 2.6 A                                                |
| Output Current Peak       | 4 A                                                  |
| Output Current Fan        | 3.3 A                                                |
| Ripple                    | 150 mV                                               |
| Total Regulation          | plus or minus 3.0 percent                            |
| Maximum Power Convection  | 40 W                                                 |
| Maximum Power Forced Air  | 50 W at 20 CFM                                       |
| Peak Power                | 60 W class for 60 s on the 40 W family thermal table |
| Efficiency                | 68 percent minimum at 40 W                           |
| Isolation Input Output    | 3000 VAC                                             |
| Isolation Input Chassis   | 1500 VAC                                             |
| Emissions                 | EN55022 ClassBconducted (NAN series)                 |
| Dimensions                | 5.0 x 3.0 x 1.2 inch                                 |
| Operating Temperature     | 0 to plus 70 C with derating above 50 C              |
| Storage Temperature       | minus 40 to plus 85 C                                |
| Hold Up Class             | milliseconds at 110/230 VAC 40 W on NAL/NAN family   |
| Protection                | overvoltage and short-circuit                        |
| Related 12 V              | NAN40-7612 12 V 3.3 A convection                     |
| Related 24 V              | NAN40-7624 24 V 1.6 A convection                     |
| Manufacturer              | Artesyn / Emerson / Advanced Energy                  |

| PARAMETER | VALUE                 |
|-----------|-----------------------|
| Package   | open-frame PCB for 1U |

# NAN407615 Specifications

| PARAMETER                  | VALUE                                                                                                     |
|----------------------------|-----------------------------------------------------------------------------------------------------------|
| Applications               | 1U industrial, networking, and instrument DC rails needing a compact 15 V 40 W Class B open-frame supply. |
| Key Features               | 15 V 2.6 A convection 40 W                                                                                |
| EN55022 Class B NAN series | 5 × 3 × 1.2 inch 1U footprint                                                                             |
| Technical Specifications   | Model: NAN40-7615                                                                                         |

## General Specifications & Supplementary Characteristics

| PARAMETER             | VALUE                                                                                                                                                                                                                                                   |
|-----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Storage temperature   | minus 40 to plus 85 C                                                                                                                                                                                                                                   |
| Operating temperature | 0 to plus 70 C with derating above 50 C                                                                                                                                                                                                                 |
| Operating Temperature | 0 to plus 70 C with derating above 50 C                                                                                                                                                                                                                 |
| Hold Up Class         | milliseconds at 110/230 VAC 40 W on NAL/NAN family                                                                                                                                                                                                      |
| Protection            | overvoltage and short-circuit                                                                                                                                                                                                                           |
| Related 12 V          | NAN40-7612 12 V 3.3 A convection                                                                                                                                                                                                                        |
| Related 24 V          | NAN40-7624 24 V 1.6 A convection                                                                                                                                                                                                                        |
| Manufacturer          | Artesyn / Emerson / Advanced Energy                                                                                                                                                                                                                     |
| Package               | open-frame PCB for 1U Notes From Artesyn NAN40/NAL40 series output table row NAN40-7615 (15 V 2.6/4/3.3 A, 150 mV, plus or minus 3 percent) and family 40/50 W, Class B, 5 × 3 × 1.2 inch specs. Dash 01 isaboard configuration of the same 15 V 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            |                                                      |
|---------------------------|------------------------------------------------------|
| Specifications            |                                                      |
| PARAMETER                 | VALUE                                                |
| Model                     | NAN40-7615                                           |
| Also Known As             | NAN40-7615-01                                        |
| Instrument Type           | Single-output open-frame AC/DC power supply          |
| Family                    | Artesyn NAN40 / NAL40                                |
| Output Voltage            | 15 V                                                 |
| Output Current Convection | 2.6 A                                                |
| Output Current Peak       | 4 A                                                  |
| Output Current Fan        | 3.3 A                                                |
| Ripple                    | 150 mV                                               |
| Total Regulation          | plus or minus 3.0 percent                            |
| Maximum Power Convection  | 40 W                                                 |
| Maximum Power Forced Air  | 50 W at 20 CFM                                       |
| Peak Power                | 60 W class for 60 s on the 40 W family thermal table |
| Efficiency                | 68 percent minimum at 40 W                           |
| Isolation Input Output    | 3000 VAC                                             |
| Isolation Input Chassis   | 1500 VAC                                             |
| Emissions                 | EN55022 ClassBconducted (NAN series)                 |
| Dimensions                | 5.0 x 3.0 x 1.2 inch                                 |
| Operating Temperature     | 0 to plus 70 C with derating above 50 C              |
| Storage Temperature       | minus 40 to plus 85 C                                |
| Hold Up Class             | milliseconds at 110/230 VAC 40 W on NAL/NAN family   |
| Protection                | overvoltage and short-circuit                        |
| Related 12 V              | NAN40-7612 12 V 3.3 A convection                     |
| Related 24 V              | NAN40-7624 24 V 1.6 A convection                     |
| Manufacturer              | Artesyn / Emerson / Advanced Energy                  |
| Package                   | open-frame PCB for 1U                                |

#### Notes

From Artesyn NAN40/NAL40 series output table row NAN40-7615 (15 V 2.6/4/3.3 A, 150 mV, plus or minus 3 percent) and family 40/50 W, Class B, 5 x 3 x 1.2 inch specs. Dash 01 isaboard configuration of the same 15 V model.

### Available from Aumictech

Used and refurbished unit evaluated in-house. Calibration: Available on request. Used · In stock.

Request a quote: [sales@aumictech.com](mailto:sales@aumictech.com) · +1 (484) 841-9341

#### Aumictech

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NIST-traceable calibration · SAM registered ·  
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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.