

**Aumictech**

Test & measurement • bought, sold, repaired, calibrated

Data Sheet

August 15, 2026

DIGITAL POWER

Digital Power US70-301 Power Supply

The Digital Power US70-301 is a 70 W continuous, open-frame switching power supply engineered for industrial, commercial, and defense applications requiring universal AC input. This compact unit measures 5" × 3.2" × 1.5" and delivers up to 75 W peak power across multiple configurable outputs, making it suitable for system integrations with diverse voltage requirements. Operating Temperature: 0°C to 70°C (full power); linear derating from 50°C to half power at 70°C Aumictech offers NIST-traceable calibration and repair for the Digital Power US70-301. All calibrations are performed to NIST-traceable standards and ship with a certificate. Turnaround is typically 1–3 business days after receipt. This Digital Power US70-301 is listed at . Calibration is available separately from . Contact us for volume pricing or if you need multiple units.



MODEL

**Digital Power
US70-301**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

US70-301

LISTING

<https://aumictechlabs.com/products/us70-301-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Digital Power US70-301 is a 70 W continuous, open-frame switching power supply engineered for industrial, commercial, and defense applications requiring universal AC input. This compact unit measures 5" × 3.2" × 1.5" and delivers up to 75 W peak power across multiple configurable outputs, making it suitable for system integrations with diverse voltage requirements. Technical Specifications Input: 90–264 VAC, 47–63 Hz Output Power: 70 W continuous, 75 W

peak Efficiency: 75% typical Operating Temperature: 0°C to 70°C (full power); linear derating from 50°C to half power at 70°C Storage Temperature: -25°C to +85°C Relative Humidity: 5% to 95%, non-condensing Vibration: 0.75 G peak, 5 Hz to 500 Hz Output Configuration: Up to 4 outputs (model-specific) Minimum Load Requirement: 20% of maximum output current for stated regulation Key Features Universal input voltage acceptance enables global deployment Open-frame design facilitates OEM integration into custom enclosures Multiple output voltage options available across US70 series variants Optional cover, power good signal, and isolated V4 output EMI compliance: FCC Class B Regulatory Approvals: CSA, CE Alternative DC input configurations: 24 VDC or 48 VDC input versions available Custom and modified standard models supported Typical Applications Industrial control systems, defense electronics, commercial equipment, and embedded systems requiring compact, efficient multi-output power conversion with universal AC input capability. Compatibility & Integration The open-frame form factor allows direct mounting within larger assemblies. The US70-301 integrates with standard 90–264 VAC single-phase mains. Specific output voltage and current ratings are model-dependent; refer to product documentation for the US70-301 configuration.

US70301 Characteristics / Specifications

PARAMETER	VALUE
Model	US70-301
Instrument Type	triple output open frame switcher
Output Power	70 W
Peak Power Class	75 W peak (Artisan US70 series text)
Output Count	3
Rail Five	+5 V at 8 A
Rail Twelve	+12 V at 4 A
Rail Minus Twelve	minus 12 V at 2 A
Style	U-frame
Dimensions	84 mm x 127 mm x 38.1 mm (3.30 × 5.00 × 1.50 inch)
Input Class	universal AC (90 to 264 Vac on US70 detailed table)
Input Frequency Class	47 to 440 Hz on US70 detailed table
Line Regulation	0.2 percent
Load Regulation V	3 percent
Load Regulation V2v	5 percent
Ripple Noise	1 percent maximum
Tolerance	plus or minus 1 percent
Efficiency	75 percent typical
Operate Temperature	0 C to 50 C
Emi	FCC ClassBEMI filter
Rohs	RoHS 2011/65/EU
Input Connector	pin terminal block
Output Type	fixed
Medical	no (US70-301 listing)
Manufacturer	Digital Power

PARAMETER	VALUE
Literature	Digital Power US70-301 listings; Gresham/Digital Power US70/100 family sheet
Family	US70 70 W flexible power
Form Factor	open frame U-channel
System Role	embedded triple-rail AC/DC
Brand Lineage	Digital Power
Sibling Dual	US70-201 is +5 V/7 A and +12 V/4 A in the same 70 W chart
Sibling Quad	US70-401 adds minus 5 V/2 A in the same 70 W chart

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	US70-301
Instrument Type	triple output open frame switcher
Output Power	70 W
Peak Power Class	75 W peak (Artisan US70 series text)
Output Count	3
Rail Five	+5 V at 8 A
Rail Twelve	+12 V at 4 A
Rail Minus Twelve	minus 12 V at 2 A
Style	U-frame
Dimensions	84 mm x 127 mm x 38.1 mm (3.30 x 5.00 x 1.50 inch)
Input Class	universal AC (90 to 264 Vac on US70 detailed table)
Input Frequency Class	47 to 440 Hz on US70 detailed table
Line Regulation	0.2 percent
Load Regulation V1	3 percent
Load Regulation V2v3	5 percent
Ripple Noise	1 percent maximum
Tolerance	plus or minus 1 percent
Efficiency	75 percent typical
Operate Temperature	0 C to 50 C
Emi	FCC ClassBEMI filter
RoHS	RoHS 2011/65/EU
Input Connector	pin terminal block
Output Type	fixed
Medical	no (US70-301 listing)
Manufacturer	Digital Power

PARAMETER	VALUE
Literature	Digital Power US70-301 listings; Gresham/Digital Power US70/100 family sheet
Family	US70 70 W flexible power
Form Factor	open frame U-channel
System Role	embedded triple-rail AC/DC
Brand Lineage	Digital Power
Sibling Dual	US70-201 is +5 V/7 A and +12 V/4 A in the same 70 W chart
Sibling Quad	US70-401 adds minus 5 V/2 A in the same 70 W chart

Notes

From Digital Power US70-301 listings (5/12/-12 V at 8/4/2 A, 70 W, 0.2 percent line, 0 C to 50 C) and US70/100 family mechanical 84 x 127 x 38.1 mm. Peak 75 W is the Artisan US70 series sentence, not a second continuous rating.

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

788 S 500 E, Pleasant Grove, UT 84062
sales@aumictech.com · +1 (484) 841-9341
<https://aumictechlabs.com>

NIST-traceable calibration · SAM registered ·
30-day returns
NAICS 423690 · 811210 · 541380
Generated August 15, 2026

Technical content from manufacturer specifications. Unit photo/stock from Aumictech listing when available. Specifications subject to OEM documentation and unit condition.