

**Aumictech**

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Data Sheet

August 15, 2026

BEL FUSE / POWER-ONE

Bel Fuse / Power-One HB24-1.2-A DC Power Supply

The Bel Fuse/Power-One HB24-1.2-A is a 24 VDC linear AC-DC power supply delivering 1.2 A at 29 W output. Engineered for industrial and commercial applications, It has stable, regulated power conversion with $\pm 0.05\%$ output regulation and low ripple characteristics. Single-output configuration with panel mount open frame design supports worldwide AC input from 100–264 VAC. Overvoltage Protection (OVP) available as an option, user-adjustable from 6.4 V to 34 V. Aumictech offers NIST-traceable calibration and repair for the Bel Fuse / Power-One HB24-1.2-A. All calibrations are performed to NIST-traceable standards and ship with a certificate. Turnaround is typically 1–3 business days after receipt. This Bel Fuse / Power-One HB24-1.2-A is listed at . Calibration is available separately from . Contact us for volume pricing or if you need multiple units.



MODEL

Bel Fuse / Power-One HB24-1.2-A

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

HB24-1.2-A

LISTING

<https://aumictechlabs.com/products/hb24-1-2-a-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Bel Fuse/Power-One HB24-1.2-A is a 24 VDC linear AC-DC power supply delivering 1.2 A at 29 W output. Engineered for industrial and commercial applications, It has stable, regulated power conversion with $\pm 0.05\%$ output regulation and low ripple characteristics. Single-output

configuration with panel mount open frame design supports worldwide AC input from 100–264 VAC. Technical Specifications Output Voltage: 24 VDC Output Current: 1.2 A Output Power: 29 W Input Voltage Range: 100–264 VAC Output Regulation: $\pm 0.05\%$ Output Ripple: Low Mounting: Panel Mount / Open Frame Cooling: Forced air cooling (100 LFM) required above 75% of rated output power Key Features Remote sense capability for accurate voltage regulation at load 100% burn-in tested for reliability Overvoltage Protection (OVP) available as an option, user-adjustable from 6.4 V to 34 V Accepts worldwide AC input: 100/120/220/230/240 VAC Typical Applications Ideal for long-term operation in industrial control systems, instrumentation, telecommunications equipment, and sensitive electronic circuits requiring stable, regulated 24 VDC power with minimal output disturbance. Compatibility & Integration Part of the Bel Fuse/Power-One International Series and Linear Series product family, offering broad compatibility across diverse industrial and commercial equipment platforms.

HB2412A Characteristics / Specifications

PARAMETER	VALUE
Model	HB24-1.2-A
Instrument Type	Linear AC-DC power supply
Output Voltage Nominal	24 V
Rated Output Current	1.2 A
Case Type	B
Ac Input Voltage Taps	100 120 220 240 Vac factory configured 120 Vac tap
Ac Input 100 Vac Tap Range	87 to 110 Vac
Ac Input 120 Vac Tap Range	104 to 132 Vac
Ac Input 220 Vac Tap Range	191 to 242 Vac
Ac Input 240 Vac Tap Range	209 to 264 Vac
Input Frequency	47 to 63 Hz
Line Regulation Typical Models	plus or minus 0.05 percent for 10 percent line change
Load Regulation Typical Models	plus or minus 0.05 percent for 50 percent load change
Output Adjustment Range	plus or minus 5 percent of nominal
Ripple And Noise 5 To 15 V Models	5.0 mV p-p maximum 20 MHz
Ripple And Noise 24 V Models	3.0 mV p-p plus 0.02 percent of output voltage maximum
Efficiency At 5 V	45 percent typical class
Efficiency At 12 To 15 V	55 percent typical class
Efficiency At 24 V And Higher	60 percent typical class
Transient Recovery	50 us to within 1 percent after 50 percent load step
Dielectric Input To Case	2121 Vdc
Dielectric Input To Output	4242 Vdc
Leakage Current At 264 Vac	23 to 50 uA
Overvoltage Protection Built In	not standard on this model use optional OVP module
Remote Sense Compensation	250 mV total cable drop where provided

PARAMETER	VALUE
Overcurrent Protection	automatic current limit foldback 115 to 140 percent of rated power
Operating Temperature Full Load	0 to 50 C
Operating Temperature 40 Percent Load	to 70 C
Derating Above 50 C	3 percent perCStorage Temperature: -40 to plus 85 C
Temperature Coefficient	0.1 to 0.3 percent perCafter warm-up
Relative Humidity	5 to 95 percent RH non-condensing
Shock Operating	20 G peak
Vibration	6.15 Grms 10 Hz to 2 kHz
Dimensions Inches	4.87 × 4.00 × 2.10
Dimensions Mm	123.70 × 101.60 × 53.34
Mtbf Class	greater than 300000 hours
Storage temperature	40 to plus 85 C
Operating temperature	Full Load: 0 to 50 C
Humidity	5 to 95 percent RH non-condensing

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Storage temperature	40 to plus 85 C
Operating temperature	Full Load: 0 to 50 C
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Humidity	5 to 95 percent RH non-condensing
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Operating Temperature 40 Percent Load	to 70 C
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Relative Humidity	5 to 95 percent RH non-condensing
Shock Operating	20 G peak
Vibration	6.15 Grms 10 Hz to 2 kHz
Dimensions Inches	4.87 × 4.00 × 2.10
Dimensions Mm	123.70 × 101.60 × 53.34
Mtbf Class	greater than 300000 hours Notes From Bel Power Solutions Linear Power Supplies catalog voltage/current rating chart and common electrical parameter tables for HB24-1.2-A. Case dimensions from OEM case-type table. Derate output current 10 percent for 50 Hz operation per OEM note.

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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Ac Input Voltage Taps	100 120 220 240 Vac factory configured 120 Vac tap
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Specifications	
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PARAMETER	VALUE
Overvoltage Protection Built In	not standard on this model use optional OVP module
Remote Sense Compensation	250 mV total cable drop where provided
Overcurrent Protection	automatic current limit foldback 115 to 140 percent of rated power
Operating Temperature Full Load	0 to 50 C
Operating Temperature 40 Percent Load	to 70 C
Derating Above 50 C	3 percent perCStorage Temperature: -40 to plus 85 C
Temperature Coefficient	0.1 to 0.3 percent perCAfter warm-up
Relative Humidity	5 to 95 percent RH non-condensing
Shock Operating	20 G peak
Vibration	6.15 Grms 10 Hz to 2 kHz
Dimensions Inches	4.87 x 4.00 x 2.10
Dimensions Mm	123.70 x 101.60 x 53.34
Mtbf Class	greater than 300000 hours

Notes

From Bel Power Solutions Linear Power Supplies catalog voltage/current rating chart and common electrical parameter tables for HB24-1.2-A. Case dimensions from OEM case-type table. Derate output current 10 percent for 50 Hz operation per OEM note.

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>

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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.