

**Aumictech**

Test & measurement • bought, sold, repaired, calibrated

Data Sheet

August 15, 2026

BEL FUSE / POWER-ONE

Bel Fuse / Power-One HC24-2.4-A DC Power Supply

The Bel Fuse/Power-One HC24-2.4-A is a linear DC power supply engineered for industrial and telecommunications equipment requiring stable, regulated 24 VDC output. This open-frame, panel-mount unit delivers 2.4 A at 58 W and is built for integration into larger systems where low ripple and precision voltage regulation are critical. Input Current: 1.4 A @ 100 VAC, 1.2 A @ 120 VAC, 0.7 A @ 215 VAC, 0.6 A @ 230–240 VAC Certifications: UL/CSA 62368-1, IEC/EN 62368-1, CE marked, CSA approved, TÜV approved Exceptionally tight output regulation of $\pm 0.05\%$ ensures minimal voltage deviation under load variations

**MODEL****Bel Fuse / Power-One HC24-2.4-A****CALIBRATION****Available on request****CONDITION****Used****STATUS****In stock****RFQ / SKU****HC24-2.4-A****LISTING**<https://aumictechlabs.com/products/hc24-2-4-a-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Bel Fuse/Power-One HC24-2.4-A is a linear DC power supply engineered for industrial and telecommunications equipment requiring stable, regulated 24 VDC output. This open-frame, panel-mount unit delivers 2.4 A at 58 W and is built for integration into larger systems where low ripple and precision voltage regulation are critical. Technical Specifications Output: 24 VDC, 2.4 A, 58 W (single output) Output Regulation: $\pm 0.05\%$ Input: 87–264 VAC, 47–63 Hz Input Current: 1.4 A @ 100 VAC, 1.2 A @ 120 VAC, 0.7 A @ 215 VAC, 0.6 A @ 230–240 VAC Remote Sense:

Provided Certifications: UL/CSA 62368-1, IEC/EN 62368-1, CE marked, CSA approved, TÜV approved RoHS Compliant: Yes Key Features Exceptionally tight output regulation of $\pm 0.05\%$ ensures minimal voltage deviation under load variations Natural convection cooling eliminates the need for forced-air circulation in confined mounting spaces Remote sense capability compensates for voltage drops across distribution harnesses Open-frame construction allows flexible placement and thermal management within enclosures Wide input voltage acceptance (87–264 VAC) accommodates global mains standards Physical & Environmental Dimensions: 5.62 × 4.87 × 2.95 inches (142.75 × 123.70 × 74.93 mm) Weight: Approximately 4.45 lbs Designed for natural convection operation Typical Applications Telecommunications infrastructure, industrial control systems, networking equipment, automated test equipment (ATE), broadcast amplifiers, and acoustic systems requiring precision 24 VDC regulation with minimal output noise.

HC2424A Characteristics / Specifications

PARAMETER	VALUE
Model	HC24-2.4-A
Instrument Type	Linear AC-DC power supply
Output Voltage Nominal	24 V
Rated Output Current	2.4 A
Case Type	C
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	5.62 × 4.87 × 2.95
Dimensions Mm	142.75 × 123.70 × 74.93
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
Operating Temperature	Full Load: 0 to 50 C
Humidity	5 to 95 percent RH non-condensing
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	5.62 × 4.87 × 2.95
Dimensions Mm	142.75 × 123.70 × 74.93
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 HC24-2.4-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	
Specifications	
PARAMETER	VALUE
Model	HC24-2.4-A
Instrument Type	Linear AC-DC power supply
Output Voltage Nominal	24 V
Rated Output Current	2.4 A
Case Type	C
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	
Specifications	
PARAMETER	VALUE
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

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	5.62 x 4.87 x 2.95
Dimensions Mm	142.75 x 123.70 x 74.93
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 HC24-2.4-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>

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.