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Data Sheet

August 15, 2026

BEL FUSE / POWER-ONE

Bel Fuse / Power-One PFC375-4002 Performance Power Series Power Supply

The Bel Fuse/Power-One PFC375-4002 is a 375 W power supply from the Performance Power Series, engineered for commercial and industrial applications requiring regulated DC power delivery. The unit integrates active Power Factor Correction (PFC) to meet EN61000-3-2 standards and operates across a wide AC input range of 85–264 VAC at 47–63 Hz. It delivers full rated output power with 300 LFM forced-air cooling, with an optional factory-installed fan available. Current sharing for redundant configurations ($\pm 10\%$ accuracy, up to 6 parallel units) Aumictech offers NIST-traceable calibration and repair for the Bel Fuse / Power-One PFC375-4002. 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 PFC375-4002 is listed at . Calibration is available separately from . Cont



MODEL

Bel Fuse / Power-One PFC375-4002

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

PFC375-4002

LISTING

<https://aumictechlabs.com/products/pfc375-4002-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

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standards and operates across a wide AC input range of 85–264 VAC at 47–63 Hz. It delivers full rated output power with 300 LFM forced-air cooling, with an optional factory-installed fan available. Technical Specifications Output Power: 360–375 W typical Input Voltage Range: 85–264 VAC Input Frequency: 47–63 Hz Input Current: 6 ARMS at 85 VAC, full rated load Input Protection: Non-user serviceable internal AC fuse (F10A, 250 V) Hold-Up Time: 20 ms at full AC input voltage range and rated load Operating Temperature: 0°C to +70°C MTBF: >1 million hours demonstrated Line Regulation: $\pm 0.2\%$ to $\pm 0.5\%$ (output dependent) Load Regulation: $\pm 0.4\%$ to $\pm 0.9\%$ (output dependent) Ripple and Noise: Maximum 1% peak-to-peak (20 MHz bandwidth) Safety Approvals: CB, CE, CSA, Nemko per IEC 62368 RoHS Compliant: Yes (models with 'G' suffix) Key Features Active Power Factor Correction meets EN61000-3-2 Remote sense capability on main output Current sharing for redundant configurations ($\pm 10\%$ accuracy, up to 6 parallel units) TTL-compatible logic level inhibit function Power fail signal with 5 ms dropout time at 110 VAC DC power good signal Overtemperature protection with automatic reset Overvoltage and overcurrent protection with automatic recovery Brown-out protection maintains regulation at 85 VAC input under full load Typical Applications Industrial control systems Commercial telecommunications equipment Redundant and fault-tolerant power configurations Systems requiring multi-rail DC outputs Compatibility & Integration The PFC375-4002 accommodates multiple single and dual output configurations, enabling integration into diverse system architectures. Current sharing capability supports parallel operation up to six units for increased capacity. Remote sense and inhibit functions interface directly with system controllers via TTL-level signaling.

PFC3754002 Characteristics / Specifications

PARAMETER	VALUE
Model	PFC375-4002
Series	PFC375
Instrument Type	Quad output AC-DC switching power supply with PFC
Output 1 Voltage	5 V adjustable 4.5 to 5.5 V
Output 1 Current Range	3.5 to 40 A
Output 1 Peak Current	40 A
Output 1 Line Regulation	0.4 percent
Output 1 Load Regulation	0.8 percent
Output 1 Ripple Noise	1 percent
Output 1 Initial Setting	4.98 to 5.02 V
Output 2 Voltage	12 V adjustable 11.3 to 12.6 V
Output 2 Maximum Current	10 A
Output 2 Peak Current	16 A
Output 2 Line Regulation	0.9 percent
Output 2 Load Regulation	0.9 percent
Output 2 Ripple Noise	1 percent
Output 2 Initial Setting	11.9 to 12.1 V
Output 3 Voltage	12 V adjustable 11.3 to 12.6 V
Output 3 Maximum Current	6 A
Output 3 Peak Current	6 A
Output 3 Line Regulation	0.9 percent
Output 3 Load Regulation	0.9 percent
Output 4 Voltage	24 V adjustable 22.0 to 28.0 V
Output 4 Maximum Current	3 A
Output 4 Peak Current	3 A

PARAMETER	VALUE
Output 4 Line Regulation	0.5 percent
Output 4 Load Regulation	0.8 percent
Output 4 Ripple Noise	1 percent
Output 4 Initial Setting	23.8 to 24.2 V
Continuous Output Power	375 W with 300 LFM
Peak Output Power	450 W
Input Voltage Ac	85 to 264 Vac
Input Frequency	47 to 63 Hz
Hold Up Time	20 ms full rated load
Input Current At 85 Vac	6 Arms
Inrush At 110 Vac	35 A peak
Inrush At 220 Vac	65 A peak
Power Factor	0.98 W/VA
Efficiency Typical	68 percent at full load 110 Vac
Minimum Load Main 5 V	3.5 A
Transient Recovery Time	1 ms to within 1 percent after 50 to 100 percent load step
Turn On Delay	1 s
Turn On Rise Time	10 ms
Dimensions	9.00 × 5.00 × 2.50 inches (228.6 × 127.0 x 63.5 mm)
Mass	4.3 lb (1.95 kg)
Rise Time	10 ms

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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Mass	4.3 lb (1.95 kg)

Notes

From Power-One / Bel PFC375 AC-DC Series datasheet model PFC375-4002 selection chart and common electrical tables. Forced air 300 LFM required unless Ffan suffix is fitted.

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