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Data Sheet

August 15, 2026

BEL FUSE / POWER-ONE

Bel Fuse / Power-One PFC375-4000 Performance Power Series Power Supply

The Bel Fuse/Power-One PFC375-4000 is a Performance Power Series Power Supply. This power supply offers reliable and efficient power conversion for a variety of applications. It features a solid design and high-quality components to ensure long-term performance and stability.

**MODEL****Bel Fuse / Power-One PFC375-4000****CALIBRATION****Available on request****CONDITION****Used****STATUS****In stock****RFQ / SKU****PFC375-4000****LISTING**<https://aumictechlabs.com/products/pfc375-4000-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Bel Fuse/Power-One PFC375-4000 is a 375 W AC-DC switching power supply from the Performance Power Series, engineered for commercial and industrial applications demanding reliable power conversion across wide input voltage ranges. This quad-output unit delivers +5V, +12V, +12V, and +5V rails with active Power Factor Correction (PFC) compliant to EN61000-3-2. Peak output reaches 450 W for up to 60 seconds at 10% duty cycle maximum. The supply operates with 300 Linear Feet per Minute (LFM) forced-air cooling and maintains full regulation across 85–264 VAC input with 20 ms hold-up time at full load. Technical Specifications Input Characteristics Input voltage range: 85–264 VAC Input frequency: 47–63 Hz Input current at 85 VAC (full load): 6 ARMS Fuse protection: F10A, 250V (non-user serviceable, internal) Brown-out

regulation: Down to 85 VAC Hold-up time: 20 ms (full AC range, rated load) Output Configuration
+5V main: 40A max, 4.5–5.5V adjustable, 0.4% line regulation, 0.8% load regulation +12V: 16A
max, 11.3–12.6V adjustable, 0.9% line regulation, 0.9% load regulation 12V: 6A max, 11.3–12.6V
adjustable, 0.9% line regulation, 0.9% load regulation 5V: 3A max, 4.5–5.5V adjustable, 2% line
regulation Environmental & Thermal Operating temperature: 0–70 °C Storage/transportation: –55–
85 °C Humidity: 0–95% RH (non-condensing) Altitude: 2000 m maximum Key Features Active
Power Factor Correction (PFC) for EN61000-3-2 compliance Main output remote sense, power
fail, and DC power good signaling Logic-level inhibit control and current sharing for redundant
configurations Quad regulated outputs with independent adjustment capabilities International
certifications: CB, CE, CSA, Nemko, EN62368-1, IEC/EN62368-1, UL/CSA62368-1 RoHS compliant
(G-suffix models) Transient and ESD protection to EN61000-4-2, –3, –4, –5 Typical Applications
Commercial and industrial embedded systems, distributed power architectures, and equipment
requiring multi-rail DC power with high availability and input voltage tolerance. Compatibility &
Integration Chassis-mount configuration with SAE or optional metric mounting. Optional factory-
installed cooling fan available. Remote sense and control signal interfaces support integration into
redundant and load-sharing systems.

PFC3754000 Characteristics / Specifications

PARAMETER	VALUE
Model	PFC375-4000
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 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	5 V fixed
Output 4 Maximum Current	3 A
Output 4 Peak Current	3 A
Output 4 Line Regulation	2 percent

PARAMETER	VALUE
Output 4 Load Regulation	2 percent
Output 4 Ripple Noise	2.4 percent
Continuous Output Power	375 W with 300 LFM
Peak Output Power	450 W for 60 s maximum 10 percent duty
Input Voltage Ac	85 to 264 Vac
Input Frequency	47 to 63 Hz
Brown Out Protection	85 Vac
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
Switching Frequency Main	100 kHz
Efficiency Typical	68 percent at full load 110 Vac
Minimum Load Main 5 V	3.5 A
Overvoltage Protection Main	6.0 to 6.4 V
Remote Sense Compensation	250 mV
Current Share Accuracy	10 percent up to 6 parallel units
Dielectric Input To Output	2600 Vdc
Leakage Current	2.0 mA maximum at 264 Vac
Operating Temperature Full Load	0 to 50 C
Operating Temperature Half Load	0 to 70 C
Storage Temperature	-55 to plus 85 C
Dimensions	9.00 × 5.00 × 2.50 inches (228.6 × 127.0 x 63.5 mm)
Mass	4.3 lb (1.95 kg)
Mtbf Demonstrated Class	greater than 1 million hours
Isolation Voltage	2.6 kV

PARAMETER	VALUE
Operating temperature	Full Load: 0 to 50 C

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Storage temperature	55 to plus 85 C
Operating temperature	Full Load: 0 to 50 C
Operating Temperature	Full Load: 0 to 50 C
Operating Temperature Full Load	0 to 50 C
Operating Temperature Half Load	0 to 70 C
Dimensions	9.00 × 5.00 × 2.50 inches (228.6 × 127.0 x 63.5 mm)
Mass	4.3 lb (1.95 kg)
Mtbf Demonstrated Class	greater than 1 million hours
Isolation Voltage	2.6 kV Notes From Power-One / Bel PFC375 AC-DC Series datasheet model PFC375-4000 multiple-output selection and common electrical tables. Forced air 300 LFM required unlessFfan suffix is fitted.

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	PFC375-4000
Series	PFC375
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Output 1 Voltage	5 V adjustable 4.5 to 5.5 V
Output 1 Current Range	3.5 to 40 A
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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 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	5 V fixed
Output 4 Maximum Current	3 A
Output 4 Peak Current	3 A
Output 4 Line Regulation	2 percent
Output 4 Load Regulation	2 percent

PARAMETER	VALUE
Output 4 Ripple Noise	2.4 percent
Continuous Output Power	375 W with 300 LFM
Peak Output Power	450 W for 60 s maximum 10 percent duty
Input Voltage Ac	85 to 264 Vac
Input Frequency	47 to 63 Hz
Brown Out Protection	85 Vac
Hold Up Time	20 ms full rated load
Input Current At 85 Vac	6 Arms
Inrush At 110 Vac	35 A peak
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Power Factor	0.98 W/VA
Switching Frequency Main	100 kHz
Efficiency Typical	68 percent at full load 110 Vac
Minimum Load Main 5 V	3.5 A
Overvoltage Protection Main	6.0 to 6.4 V
Remote Sense Compensation	250 mV
Current Share Accuracy	10 percent up to 6 parallel units
Dielectric Input To Output	2600 Vdc
Leakage Current	2.0 mA maximum at 264 Vac
Operating Temperature Full Load	0 to 50 C
Operating Temperature Half Load	0 to 70 C
Storage Temperature	-55 to plus 85 C
Dimensions	9.00 x 5.00 x 2.50 inches (228.6 x 127.0 x 63.5 mm)
Mass	4.3 lb (1.95 kg)
Mtbf Demonstrated Class	greater than 1 million hours
Isolation Voltage	2.6 kV

Notes

From Power-One / Bel PFC375 AC-DC Series datasheet model PFC375-4000 multiple-output selection 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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NIST-traceable calibration · SAM registered ·
30-day returns
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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.