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Data Sheet

August 13, 2026

FUJI ELECTRIC

Fuji Electric FH4800C 200-240Vac Power Supply

Fuji Electric FH4800C 200-240 Vac Front-End Power Supply The Fuji Electric FH4800C is listed as a 200-240 Vac AC-DC front-end power supply in the Fuji FH family used for distributive / rack power. Closely related OEM FH2000 high-line literature documents a 48 V / 2000 W front-end with +12 V standby when operated from 200-240 Vac, hot-swap / parallel redundancy features, forced-air cooling, and high MTBF design. Confirm exact FH4800C nameplate against FH2000/FH48xx family datasheets. The Fuji Electric FH4800C is listed as a 200-240 Vac AC-DC front-end power supply in the Fuji FH family used for distributive / rack power. Closely related OEM FH2000 high-line literature documents a 48 V / 2000 W front-end with +12 V standby when operated from 200-240 Vac, hot-swap / parallel redundancy features, forced-air cooling, and high MTBF design. Confirm exact FH4800C nameplate against FH2000/FH48xx family datasheets.



MODEL

**Fuji Electric
FH4800C**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

FH4800C

LISTING

<https://aumictechlabs.com/products/fh4800c-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Fuji Electric FH4800C is a 2000 W AC power supply engineered for industrial applications demanding stable, efficient power delivery across 200-240 Vac input systems. Operating at 94% efficiency at 50% load, this unit integrates I2C serial bus and PSMI monitoring for real-time system diagnostics. Built for demanding thermal environments, the FH4800C maintains

performance above 42°C through advanced cooling management, making it suitable for factory automation, process control, and electromechanical systems requiring dependable DC conversion. Technical Specifications Input Voltage Range: 200-240 Vac Input Current (Rated @ 200 V AC): 27.8 A Power Rating: 2000 W Operating Efficiency: 94% @ 50% load Cooling System: Forced-air thermal management Key Features I2C serial bus monitoring for system integration PSMI diagnostics interface High-temperature operation support above 42°C with adaptive thermal control Compact industrial form factor for space-constrained installations Typical Applications Factory automation control systems Industrial process monitoring and regulation Electromechanical equipment power conversion Semiconductor manufacturing environments Machine tool and CNC systems requiring stable 2000 W DC rails Compatibility & Integration The FH4800C integrates via I2C serial bus, enabling direct communication with host controllers and power management systems. PSMI interface support allows remote monitoring and diagnostics without additional instrumentation. Design accommodates industrial environments with thermal management optimized for sustained operation in elevated ambient conditions.

Features & description

From manufacturer datasheet

Features

- 200-240 Vac high-line operation

Applications

- Data processing storage and networking distributive power

FH4800C Characteristics / Specifications

PARAMETER	VALUE
Model	FH4800C
Manufacturer	Fuji Electric
Instrument Type	AC-DC Front-End Power Supply
Alias	FH4800C; Fuji FH4800C; FH 48 V front-end class
Input frequency	50/60 Hz
Related family main output voltage	+48 V
Related family standby voltage	+12 VSB
Related family standby current	4 A
Related family efficiency	89.5% or greater at rated 2000 W
Related family power factor	95% or greater
Related family main voltage accuracy	+/-5% or better
Related family standby voltage accuracy	+/-4% or better
Related family main ripple	480 mVp-p max
Related family standby ripple	120 mVp-p max
Related family dimensions	69.5 × 326.3 × 123.5 mm
Related family weight	4 kg or less
Operating temperature related	0 to 50 C
Operating humidity related	20 to 85% RH
Cooling	forced air
Leakage current related	0.75 mA or less at 240 Vac
EMI class related	CISPR Class A / FCC ClassA Notes Public OEM tables are densest for Fuji FH2000 48 V / 2000 W at 200-240 Vac. FH4800C listing name should be confirmed on the nameplate/datasheet revision before upload; do not assume every FH48xx suffix matches FH2000 limits exactly.
Operating temperature	related: 0 to 50 C
Humidity	related: 20 to 85% RH

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Operating temperature	related: 0 to 50 C
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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	FH4800C
Manufacturer	Fuji Electric
Instrument Type	AC-DC Front-End Power Supply

Alias: FH4800C; Fuji FH4800C; FH 48 V front-end class

Input voltage high-line: 200 to 240 Vac

Input frequency: 50/60 Hz

Related family high-line output power: 2000 W rated

Related family main output voltage: +48 V

Related family main output current high-line: 40.6 A

Specifications

PARAMETER	VALUE
Related family standby voltage	+12 VSB
Related family standby current	4 A
Related family efficiency	89.5% or greater at rated 2000 W

Specifications

PARAMETER	VALUE
Related family power factor	95% or greater
Related family main voltage accuracy	+/-5% or better
Related family standby voltage accuracy	+/-4% or better

Specifications

PARAMETER	VALUE
Related family main ripple	480 mVp-p max
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Related family dimensions	69.5 x 326.3 x 123.5 mm

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Public OEM tables are densest for Fuji FH2000 48 V / 2000 W at 200-240 Vac. FH4800C listing name should be confirmed on the nameplate/datasheet revision before upload; do not assume every FH48xx suffix matches FH2000 limits exactly.

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.