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Data Sheet

August 14, 2026

AMETEK / XANTREX / SORENSEN

Ametek / Xantrex / Sorensen XFR 60-46 DC Power Supply

Ametek / Xantrex / Sorensen DC Power Supplies. Voltage: 0–60 Vdc, Current: 0–46 ADC, Voltage: $\pm(0.01\%$ of $V_{max} + 2$ mV).



MODEL

Ametek / Xantrex / Sorensen XFR 60-46

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

XFR 60-46

LISTING

<https://aumictechlabs.com/products/xfr-60-46-3/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Ametek/Xantrex/Sorensen XFR 60-46 is a 2760 W DC power supply delivering stable, precise output across 0–60 Vdc and 0–46 ADC without derating from 0 to 50°C. Zero voltage soft-switching technology minimizes switching transients and noise, approaching linear supply performance while improving efficiency and MTBF by reducing transistor stress. Technical Specifications Output Ratings Voltage: 0–60 Vdc Current: 0–46 ADC Power: 2760 W Regulation & Noise Line regulation Voltage: $\pm(0.01\%$ of $V_{max} + 2$ mV); Current: $\pm(0.01\%$ of $I_{max} + 2$ mA) Load regulation Voltage: $\pm(0.02\%$ of $V_{max} + 5$ mV); Current: $\pm(0.02\%$ of $I_{max} + 5$ mA) Output noise (0–20 MHz): 150 mVp-p Ripple Voltage: 15 mV RMS; Current: 100 mA RMS AC Input 190–264 VAC, single phase, 47–63 Hz (typical draw: 24.3 A @ 208 VAC, 20.5 A @ 230 VAC) Optional 3-phase 208 VAC input (M2 option) Key Features Constant voltage/constant current operation with

automatic mode crossover Front panel simultaneous digital display of voltage and current with button preview of voltage, current, and OVP setpoint Standard over-voltage protection (OVP) with front panel operation and reset Thermal shutdown (OTP) with latch or auto-reset selection Local and remote sensing support Excellent thermal management enabling rack stacking without auxiliary ventilation Full power delivery across entire 0–50°C operating range without derating Remote Control & Monitoring Standard analog programming and remote voltage/current monitoring Optional isolated programming/readback Optional GPIB or RS-232 control interfaceTypical Applications Research and development, product design and testing, OEM integration, ATE, magnet control, electroplating, process control, and burn-in testing.Compatibility & Integration Rack form factor with soft-switching design suitable for systems requiring low electromagnetic noise and extended component life.

XFR60 Characteristics / Specifications

PARAMETER	VALUE
Output Voltage	0 to 60 V
Output Current	0 to 46 A
Output Power	2760 W
Line Regulation Voltage	8 mV
Line Regulation Current	6.6 mA
Load Regulation Voltage	17 mV
Load Regulation Current	14.2 mA
Meter Accuracy Voltage	0.4 V
Meter Accuracy Current	0.3 A
Output Noise Voltage RMS	6 mV
Output Noise Voltage Peak To Peak 0 To 20 MHz	60 mV
Output Noise Current RMS	30 mA
Drift 8 Hours Voltage	30 mV
Drift 8 Hours Current	23 mA
Temperature Coefficient Voltage	12 mV perCTemperature Coefficient Current: 15 mA perCOVP Adjustment Range: 3 to 66 V
Typical Efficiency	88 percent
Program Rise Time	100 ms
Program Fall Time	100 ms
AC Input Voltage	190 to 264 VAC single phase 47 to 63 Hz
Operating Temperature	0 C to 50 C
Storage Temperature	minus 20 C to 70 C
Humidity	30 to 90 percent RH noncondensing
Weight Approximate	15 kg
Series Power Class	2.8 kW XFR

PARAMETER	VALUE
Rise Time	100 ms

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Storage temperature	minus 20 C to 70 C
Operating temperature	0 C to 50 C
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Humidity	30 to 90 percent RH noncondensing
Weight Approximate	15 kg
Series Power Class	2.8 kW XFR Notes Numeric rows from Xantrex/Sorensen XFR Series 2.8 kW electrical specifications table for model XFR 60-46. Specs typical at 25 C plus or minus 5 C with nominal 208 VAC.

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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Notes
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Specs typical at 25 C plus or minus 5 C with nominal 208 VAC.

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.