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Data Sheet

August 14, 2026

AMETEK / XANTREX / SORENSEN

Ametek / Xantrex / Sorensen XFR 100-28 DC Power Supply

Ametek / Xantrex / Sorensen DC Power Supplies. Voltage: 0–100 Vdc, Current: 0–28 A.



MODEL

**Ametek / Xantrex /
Sorensen XFR 100-
28**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

XFR 100-28

LISTING

[https://aumictechlabs.c
om/products/xfr-100-2
8-3/](https://aumictechlabs.com/products/xfr-100-28-3/)

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Ametek Xantrex Sorensen XFR 100-28 is a 2800 W programmable DC power supply engineered for research, development, production testing, and demanding industrial applications. It delivers 0–100 Vdc output at 0–28 A with zero voltage soft switching technology that minimizes switching transients, reduces noise to 175 mVp-p (0–20 MHz), and improves efficiency and thermal performance. The unit supports automatic constant voltage/constant current crossover with mode indication and remote sense capability featuring 5 V line loss compensation. Technical Specifications Output Voltage: 0–100 Vdc Current: 0–28 A Power: 2800 W Voltage ripple (rms): 25 mV Current ripple (rms): 80 mA Output noise: 175 mVp-p (0–20 MHz) Switching frequency: 31 kHz nominal (62 kHz output ripple) Voltage load regulation: 0.02% of Vmax + 5 mV (27 mV) Current load regulation: 0.02% of Imax + 5 mA (10.6 mA) Voltage line regulation: Typically 12 mV Current line regulation: Typically 4.8 mA Protection & Control Over voltage protection (OVP): Standard,

adjustable Over temperature protection: Standard shutdown Thermal shutdown: Standard Remote sensing: Supported with 5 V line loss compensation Ten-turn voltage and current controls for high-resolution front panel adjustment LED indicators for voltage/current mode, OVP, remote programming, and shutdown Preview function for setpoint verification

Key Features Zero voltage soft switching reduces noise performance approaching linear supply levels Compact 2U (3.5 inch) profile in standard 19-inch rack mounts Stackable design without requiring ventilation space between units Automatic CV/CC crossover with mode indication Remote monitoring of output voltage and current Standby/remote/local mode support Remote on/off control

Typical Applications Magnet control, ATE systems, process control, electroplating, component burn-in.

Compatibility & Integration Analog programming standard. Optional interfaces include GPIB/IEEE 488.1 (Option MGA), isolated analog programming/readback, RS-232, and Ethernet connectivity.

XFR100 Characteristics / Specifications

PARAMETER	VALUE
Output Voltage	0 to 100 V
Output Current	0 to 28 A
Output Power	2800 W
Line Regulation Voltage	12 mV
Line Regulation Current	4.8 mA
Load Regulation Voltage	27 mV
Load Regulation Current	10.6 mA
Meter Accuracy Voltage	0.6 V
Meter Accuracy Current	0.2 A
Output Noise Voltage RMS	12 mV
Output Noise Voltage Peak To Peak 0 To 20 MHz	75 mV
Output Noise Current RMS	10 mA
Drift 8 Hours Voltage	50 mV
Drift 8 Hours Current	14 mA
Temperature Coefficient Voltage	20 mV perCTemperature Coefficient Current: 9 mA perCOVP Adjustment Range: 5 to 110 V
Typical Efficiency	89 percent
Program Rise Time	170 ms
Program Fall Time	170 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	170 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 100-28. 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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Output Power	2800 W
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Meter Accuracy Voltage	0.6 V
Meter Accuracy Current	0.2 A
Output Noise Voltage RMS	12 mV
Output Noise Voltage Peak To Peak 0 To 20 MHz: 75 mV	
Specifications	
PARAMETER	VALUE
Output Noise Current RMS	10 mA
Drift 8 Hours Voltage	50 mV
Drift 8 Hours Current	14 mA
Temperature Coefficient Voltage	20 mV perCTemperature Coefficient Current: 9 mA perCOVP Adjustment Range: 5 to 110 V
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Notes
Numeric rows from Xantrex/Sorensen XFR Series 2.8 kW electrical specifications table for model XFR 100-28.
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

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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.