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Data Sheet

August 14, 2026

AMETEK / XANTREX / SORENSEN

Ametek / Xantrex / Sorensen XDC 60-100 6000 Watt Series Digital DC Power Supply

The Ametek XDC 60-100 is a 6000 Watt series digital DC power supply, offering precise control and reliable performance for demanding applications. Featuring a wide range of voltage and current settings, it is ideal for laboratory testing, industrial automation, and power electronics development. The XDC series ensures stable output and comprehensive protection features.



MODEL

**Ametek / Xantrex /
Sorensen XDC 60-
100**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

XDC 60-100

LISTING

[https://aumictechlabs.c
om/products/xdc-60-10
0-3/](https://aumictechlabs.com/products/xdc-60-100-3/)

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Ametek Xantrex Sorensen XDC 60-100 is a 6 kW digital DC power supply engineered for laboratory testing, industrial automation, and power electronics development. This 3U rack-mount unit delivers 0–60 Vdc at 0–100 A with exceptional output stability and multi-layer protection. Low noise performance (85 mVp-p, 10 Hz–20 MHz) and tight load regulation make it suitable for precision measurement and burn-in applications demanding stable, controlled power delivery.

Technical Specifications
Output Performance
Output voltage: 0–60 Vdc
Output current: 0–100 A
Output power: 6000 W
Output noise & ripple: 85 mVp-p (10 Hz–20 MHz); 10 mV rms

voltage, 500 mA rms current (10 Hz–100 kHz) Load regulation: 10 mV voltage, 300 mA current Efficiency: 82% minimum (typical 89% at nominal line and ambient) Minimum output voltage: <0.3% of rated at zero setting Minimum output current: <0.2% of rated at zero setting with rated load resistance Input Specifications AC input: 3-phase 190–242 VAC, 47–63 Hz (standard) or 3-phase 342–500 VAC, 47–63 Hz optional Power factor: ≥ 0.95 (208 Vrms); ≥ 0.9 (400 Vrms HV option) Key Features Over/under voltage, current, and power protection Over temperature and sense protection Remote analog programming: 0–5 V or 0–10 V (default) voltage/current inputs, galvanically isolated Remote analog monitoring: 0–5 V or 0–10 V (default) output ranges, galvanically isolated RS-232 interface standard Optional GPIB (IEEE 488.2 with SCPI) and CANbus for multi-unit current sharing 3U rack-mount package: 5.22" H $\times$ 19.0" W $\times$ 21.0" D (133 $\times$ 483 $\times$ 533 mm) Weight: approximately 75 lb (34 kg) Operating temperature: 0–50°C CE marked (EN61010-1, EN61000-6-2, EN61000-6-4); CSA approved Typical Applications Precision DC power for laboratory instrumentation Burn-in and stress testing of power electronics Industrial automation power control Research and development in power conversion

XDC60100 Characteristics / Specifications

PARAMETER	VALUE
Output Voltage	0 to 60 V
Output Current	0 to 100 A
Output Power	6000 W
Line Regulation Voltage	3 mV
Line Regulation Current	20 mA
Load Regulation Voltage	10 mV
Load Regulation Current	30 mA
Meter Accuracy Voltage	90 mV
Meter Accuracy Current	500 mA
Output Noise Voltage Peak To Peak 0 To 20 MHz	70 mV
Output Ripple Voltage RMS	10 mV
Output Ripple Current RMS	30 mA
Drift 30 Minutes Voltage	24 mV
Drift 30 Minutes Current	600 mA
Drift 8 Hours Voltage	12 mV
Drift 8 Hours Current	40 mA
Temperature Coefficient Voltage	24 mV perCTemperature Coefficient Current: 60 mA perCOVP Adjustment Range: 0 to 61.8 V
Typical Efficiency	89 percent
AC Input Standard	3 phase 190 to 242 VAC 47 to 63 Hz
Power Factor Minimum Nominal 208 Vrms	0.95
Remote Sense Line Drop Compensation	5 V
Size HxWxD	133 mm x 483 mm x 533 mm
Weight Approximate	34 kg

PARAMETER	VALUE
Form Factor	3U rack

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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Meter Accuracy Current	500 mA
Output Noise Voltage Peak To Peak 0 To 20 MHz: 70 mV	
Specifications	
PARAMETER	VALUE
Output Ripple Voltage RMS	10 mV
Output Ripple Current RMS	30 mA
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Notes

Numeric rows from Xantrex XDC 6 kW datasheet column for model 60-100. Minimum output voltage is less than 0.3 percent of rated voltage at zero setting per OEM footnotes.

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.