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Data Sheet

August 14, 2026

AMETEK / XANTREX / SORENSEN

Ametek / Xantrex / Sorensen XDC 60-200 12000 Watt Series Digital DC Power Supply

The Ametek / Xantrex / Sorensen XDC 60-200 is a high-power, digital DC power supply capable of delivering up to 12000 watts. It offers precise control and monitoring for demanding applications. Part of the XDC series, it provides stable and reliable DC power for testing, research, and industrial use.

**MODEL****Ametek / Xantrex /
Sorensen XDC 60-
200****CALIBRATION****Available on
request****CONDITION****Used****STATUS****In stock****RFQ / SKU****XDC 60-200****LISTING**[https://aumictechlabs.c
om/products/xdc-60-2
00-3/](https://aumictechlabs.com/products/xdc-60-200-3/)

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NAICS 423690 • 811210 • 541380

This unit

The Ametek Xantrex Sorensen XDC 60-200 is a 12 kW digital DC power supply engineered for precision test and measurement in demanding industrial environments. This unit delivers 0–60V DC at 0–200A DC with digital control technology, soft-switching topology, and an embedded controller supporting menu-driven auto-sequencing. Stand-alone operation enables complex multi-step test routines - up to ten programs with 99 voltage steps each - without external computers. Applications span automated test equipment (ATE), burn-in testing, magnet charging, OEM integration, and component validation. Technical Specifications Output Power and Voltage Total output power: 12,000 W Output voltage range: 0–60 V DC Output current range: 0–200 A DC

Voltage ripple: 100 mVrms AC Input Standard input: 3-phase 190–242 VAC, 47–63 Hz Optional input: 3-phase 342–500 VAC, 47–63 Hz (3-wire with safety ground) Alternative inputs: 200/208/220 VAC or 400/480 VAC 3-phase, 47–63 Hz Input power factor correction (PFC) with minimum 0.95 power factor at 208 Vrms and minimum 0.9 at 400 Vrms Control and Programming Digital signal processing for precise voltage and current regulation Ten storable test programs, each supporting up to 99 voltage level steps Manual or external trigger execution Ten configurable protection and output set point profiles with default recall at startup Remote voltage sensing with 5 V line drop compensation Front panel calibration capability Analog programming inputs: 0–5 V and 0–10 V

Key Features Soft-switching topology reduces switching noise and enhances reliability Line regulation maintains stable output across full AC input voltage range Load regulation across 0–100% load variation Auto-sequencing for voltage ramps, battery charging simulation, and component testing MIL 704E testing support Stand-alone operation without external software

Typical Applications Automated Test Equipment (ATE) and burn-in testing Magnet charging systems OEM equipment integration Battery simulation and charging profiles Component qualification and environmental testing

Compatibility & Integration Remote analog programming enables integration with external control systems. The embedded controller supports both standalone sequencing and external trigger inputs for coordinated multi-unit test environments.

XDC60200 Characteristics / Specifications

PARAMETER	VALUE
Output Voltage	0 to 60 V
Output Current	0 to 200 A
Output Power	12000 W
Series Family	Xantrex/Sorensen XDC
Control	digital programmable
Operating Modes	CV/CC
Remote Interfaces Class	GPIO/RS-232/Ethernet class options on series
Form Factor	high-power rack XDC chassis
Brand Lineage	Ametek / Xantrex / Sorensen
Metering	voltage and current readback
Protection	OVP current limit thermal class
Programming	front panel and remote
Line Regulation Class	per XDC 60-200 datasheet row
Load Regulation Class	per XDC 60-200 datasheet row
Ripple Noise Class	per XDC 60-200 datasheet row
Operating Temperature Class	per XDC series table
Efficiency Class	high-efficiency digital supply class
Sense Capability	remote sense on series
Parallel Series Class	per XDC system options
Calibration Class	per calibration certificate
Intended Use	12 kW programmable DC sourcing
Faceplate Confirm Class	confirm exact option cards on unit
Operating temperature	Class: per XDC series table

XDC60200 Specifications

PARAMETER	VALUE
Key Features	12 kW class XDC digital supply
Digital programmable control	CV/CC operation
Technical Specifications	Output Voltage: 0 to 60 V

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Operating temperature	Class: per XDC series table
Operating Temperature	Class: per XDC series table
Operating Temperature Class	per XDC series table
Efficiency Class	high-efficiency digital supply class
Sense Capability	remote sense on series
Parallel Series Class	per XDC system options
Calibration Class	per calibration certificate
Intended Use	12 kW programmable DC sourcing
Faceplate Confirm Class	confirm exact option cards on unit Notes From Ametek Programmable Power / Sorensen XDC Series literature for XDC 60-200. Finer regulation and ripple numbers belong on the model datasheet row.

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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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.