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Data Sheet

August 1, 2026

XANTREX

Xantrex XHR 60-10 Single output power supply 60V, 10A

Xantrex DC Power Supplies. Voltage: 0-60 V DC, Current: 0-10 A, Current: limited load simulation.



MODEL

Xantrex XHR 60-10

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

XHR 60-10

LISTING

<https://aumictechlabs.com/products/xhr-60-10-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Xantrex XHR 60-10 is a single-output DC power supply delivering 0-60 V and 0-10 A (600 W maximum) for laboratory, industrial, and OEM test applications. Built-in power factor correction enables operation from standard 120 VAC, 15 A circuits while reducing input current harmonics. The half-rack design integrates into multi-instrument test benches without requiring dedicated high-current AC infrastructure. The supply operates in both Constant Voltage (CV) and Constant Current (CC) modes with automatic crossover and front-panel mode indication. Ten-turn potentiometers provide high-resolution voltage and current adjustment. Adjustable overvoltage protection (OVP) with front-panel control and LED status indication protects connected loads. Integrated overcurrent protection and thermal shutdown (selectable latching or auto-reset) ensure safe operation under fault conditions. Technical Specifications Output Voltage: 0-60 V DC Output Current: 0-10 A Maximum Power: 600 W Input: 115/230 V AC, 50/60 Hz Efficiency:

Typically 85% Switching Technology: Zero voltage soft-switching for high efficiency and low noise Temperature Coefficient: 0.02% /°C Output Ripple and Noise: Low noiseKey Features Automatic CV/CC mode crossover with LED indication Ten-turn voltage and current control potentiometers Simultaneous digital readouts for voltage and current Adjustable front-panel OVP with LED status Output standby mode (push-button control) Optional remote analog programming of voltage and current limit with selectable ranges Optional remote sensing and voltage/current readback Optional remote on/off control Optional GPIB or RS-232 computer interface for full remote programming and monitoring Optional 4-channel isolated programming capabilityTypical Applications Bench power for component and subsystem testing, power conditioning validation, current-limited load simulation, and automated test system integration where precise voltage and current control with OVP protection is required.Compatibility & Integration Remote programming interfaces support analog control, isolated analog control (ISOL), GPIB, and RS-232 protocols for integration into test automation systems. Built-in power factor correction allows operation from standard laboratory AC outlets.

Features & description

From manufacturer datasheet

Features

- Single programmable DC output: 0 to 60 V, 0 to 10 A, 600 W (XHR 60-10 rating)
- Half-rack package, stackable with other half-rack instruments
- Zero-voltage soft switching for high efficiency and low switching noise
- Power factor correction (PFC); universal 85 to 250 VAC input
- Constant voltage or constant current with automatic crossover and mode indication
- Simultaneous front-panel voltage and current display
- Ten-turn front-panel voltage and current controls
- Remote sense with approximately 5 V line-loss compensation (series family)
- Analog programming and monitoring; optional GPIB or RS-232 interface cards
- Standby mode; overvoltage and overtemperature protection
- LabVIEW and LabWindows drivers available for the XHR family

XHR60 Characteristics / Specifications

PARAMETER	VALUE
Model	XHR 60-10
Manufacturer	Xantrex / Sorensen (AMETEK Programmable Power)
Instrument Type	Programmable single-output DC power supply
Output Voltage	0 to 60 V DC
Output Current	0 to 10 A
Output Power	600 W
Form Factor	Half-rack; approximate dimensions (XHR 1 kW family): 8.5 in (216 mm) W x 3.4 in (86.4 mm) H x 18.6 in (472 mm) D
Weight	Approximately 14 lb (6.4 kg) for the XHR half-rack family
AC Input	85 to 250 VAC, 47 to 63 Hz, power-factor corrected; derate maximum output power to 900 W for AC input below 95 V on 1 kW-class units
Power Factor	0.99 minimum at full load and 120 VAC (series specification)
Operating Modes	Constant voltage (CV), constant current (CC), automatic crossover
Remote Sense	Supported; series documentation cites about 5 V line drop compensation on mid/high voltage models
Programming	Analog programming (0-5 V / 0-10 V and resistance programming per series); optional GPIB or RS-232 digital interfaces
Protection	Overvoltage protection (OVP), overtemperature protection
Approvals (series)	CE, CSA/UL-type safety and EMC listings as published for XHR XHR Family Context Published XHR 1 kW model tables include nearby ratings such as XHR 60-18 (0-60 V, 0-18 A, about 1080 W) and XHR 100-10 (0-100 V, 0-10 A, 1000 W). The XHR 60-10 is listed by test-equipment dealers as the 60 V / 10 A / 600 W member of the same half-rack programmable platform. Series features (soft switching, PFC, remote sense, analog programming, optional digital interfaces) apply across the XHR family.
Single programmable DC output	0 to 60 V, 0 to 10 A, 600 W (XHR 60-10 rating)
Maximum output power	to 900 W for AC input below 95 V on 1 kW-class units
Operating temperature	0 C to 40 C; storage -40 C to 85 C; humidity up to 80% RH non-condensing (series datasheet).

PARAMETER	VALUE
Humidity	up to 80% RH non-condensing (series datasheet).

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
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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	XHR 60-10
Manufacturer	Xantrex / Sorensen (AMETEK Programmable Power)
Instrument Type	Programmable single-output DC power supply
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Programming	Analog programming (0-5 V / 0-10 V and resistance programming per series); optional GPIB or RS-232 digital interfaces
Protection	Overvoltage protection (OVP), overtemperature protection
Approvals (series)	CE, CSA/UL-type safety and EMC listings as published for XHR

XHR Family Context

Published XHR 1 kW model tables include nearby ratings such as XHR 60-18 (0-60 V, 0-18 A, about 1080 W) and XHR 100-10 (0-100 V, 0-10 A, 1000 W). The XHR 60-10 is listed by test-equipment dealers as the 60 V / 10 A / 600 W member of the same half-rack programmable platform. Series features (soft switching, PFC, remote sense, analog programming, optional digital interfaces) apply across the XHR family.

Standard Operating Conditions

Typical electrical performance for the XHR series is specified near 25 C +/-5 C with nominal line. Operating temperature 0 C to 40 C; storage -40 C to 85 C; humidity up to 80% RH non-condensing (series datasheet).

Operational Notes

Use appropriate wire gauge for 10 A continuous output. Observe remote-sense polarity and compensate for lead drop within the published sense range. When paralleling or series-connecting supplies, follow manufacturer interconnect guidelines. Optional GPIB/RS-232 cards enable automated setpoint and readback.

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.