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Test & measurement · bought, sold, repaired, calibrated

Data Sheet

August 14, 2026

CHROMA

Chroma 62006P Programmable DC Power Supply 100V 25A

The Chroma 62006P-100-25 is a 600W programmable DC power supply designed for automated test equipment (ATE) and laboratory applications. It has a constant power operating envelope, allowing for flexible combinations of voltage and current output within its maximum power rating. This means it can provide high voltage with low current, as well as low voltage with high current, reducing the need for multiple power supplies in test setups. Aumictech offers NIST-traceable calibration and repair for the Chroma 62006P-100-25. All calibrations are performed to NIST-traceable standards and ship with a certificate. Turnaround is typically 1–3 business days after receipt. This Chroma 62006P-100-25 is listed at . Calibration is available separately from . Contact us for volume pricing or if you need multiple units. NIST-traceable calibration for the Chroma 62006P-100-25 is (standar



MODEL

Chroma 62006P-100-25

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

62006P-100-25

LISTING

<https://aumictechlabs.com/products/62006p-100-25-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Chroma 62006P-100-25 is a 600W programmable DC power supply designed for automated test equipment (ATE) and laboratory applications. It has a constant power operating envelope, allowing for flexible combinations of voltage and current output within its maximum power rating.

This means it can provide high voltage with low current, as well as low voltage with high current, reducing the need for multiple power supplies in test setups. Technical Specifications Electrical Specifications: * Model: Chroma 62006P-100-25 Output Voltage Range: 0 to 100 V Output Current Range: 0 to 25 A Maximum Power Output: 600 W Input Voltage: 95 to 250 VAC, 47 to 63 Hz, single-phase or 100-240/200-240 VAC Power Factor Correction: 0.95 Line Regulation: Specified in datasheet Load Regulation: Specified in datasheet Output Noise: 0-20MHz specified in datasheet Drift (8 hours): Specified in datasheet Temperature Coefficient: Specified in datasheet Efficiency: Specified in datasheet Performance Specifications: * Constant Power Operating Envelope: Yes High-Speed Programming: Yes Precision Voltage and Current Measurements: Yes Voltage and Current Slew Rate Control: Yes Programmable Transient Waveforms: Capable of creating complex DC transient waveforms Voltage Ramp Function: Time Range (5ms to 99 hours) or (10 ms - 99 hours) Auto Sequencing Programming: 10 Programs / 100 Sequences / 8 bit TTL Programming Response Time (Typical): Specified in datasheet Transient Response Time: Specified in datasheet Protection Features: * Overvoltage Protection (OVP): Yes Overcurrent Protection (OCP): Yes Overpower Protection (OPP): Yes Thermal Protection: Yes Foldback Protection: Yes Interfaces and Control: * Standard Interface: RS-232 and USB Optional Interface: GPIB with SCPI, Ethernet/LXI Analog Programmable Interface (APG): Yes, with isolated analog interface card Master/Slave Control: For parallel and serial operation Remote Sense: Yes, includes 5V Line Loss Compensation TTL Output: 8-bit TTL output for automated test applications System I/O Port: For 8-bit TTL, DC-ON, fault output, remote inhibit, and trigger input signal RS-485 Connector: For master/slave control LabView and LabWindows Support: Yes Optional Graphic User Interface: Yes Physical Specifications: * Mounting Type: Bench Top Dimensions (H x W x D): 3.5 in x 16.93 in x 16.73 in Weight: 26.65 lb Chassis Size: 3U Applications: * Automated testing of DC-DC converters Telecom and industrial applications Battery charging and simulation Solar panel simulation Engine start-up simulation Product life cycle testing Airborne avionics testing Voltage dropout testing for DC/DC Converters & Inverters Voltage step waveform testing D/D Converter Sag, Cycle Drop, and Surge Testing Soft Start Testing Driving profile simulation Regulatory compliance testing Why Choose Aumictech for Chroma 62006P-100-25? At Aumictech, we specialize in supplying high-end programmable DC power supply equipment. Whether you need precise voltage and current control, advanced automated testing capabilities, or seamless integration into your ATE systems, our team ensures the Chroma 62006P-100-25 delivers maximum performance for your application.

62006P100 Characteristics / Specifications

PARAMETER	VALUE
Output Voltage	0 to 100 V
Output Current	0 to 25 A
Output Power	600 W
Line Regulation Voltage	0.01 percent plus 6 mV
Line Regulation Current	0.01 percent plus 5 mA
Load Regulation Voltage	0.01 percent plus 10 mV
Load Regulation Current	0.01 percent plus 5 mA
Voltage Measurement Ranges	20 V / 100 V
Voltage Measurement Accuracy	0.05 percent plus 0.05 percent F.S.
Current Measurement Ranges	5 A / 25 A
Current Measurement Accuracy	0.1 percent plus 0.2 percent F.S.
Voltage Ripple Peak To Peak 0 To 20 MHz	85 mV
Voltage Ripple RMS	10 mV
Current Ripple RMS	10 mA
Efficiency Typical	0.75
Drift 8 Hours Voltage	0.02 percent of Vmax
Drift 8 Hours Current	0.04 percent of Imax
Temperature Coefficient Voltage	0.02 percent of Vmax perCTemperature Coefficient Current: 0.04 percent of Imax perCTransient Response Time: 3 ms
Transient Voltage Excursion 10 Percent Step	180 mV
AC Input Voltage	95 to 250 Vac
Operating Temperature	0 C to 40 C
Size HxWxD	88 mm x 428 mm x 425 mm
Weight	13 kg

PARAMETER	VALUE
Power Factor Correction	0.95

62006P100 Specifications

PARAMETER	VALUE
Constant power wide operating region	Auto sequencing 10 programs and 100 sequences
Voltage and current slew rate control	Standard RS-232 with optional GPIB and Ethernet LXI
Technical Specifications	Output Voltage: 0 to 100 V

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Operating temperature	0 C to 40 C
Operating Temperature	0 C to 40 C
Size HxWxD	88 mm x 428 mm x 425 mm
Weight	13 kg
Power Factor Correction	0.95 Notes Numeric rows from Chroma 62000P Series datasheet column for 62006P-100-25. At 100 V the constant power envelope limits current to 6 A (100 V times 6 A equals 600 W).

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
Output Voltage	0 to 100 V
Output Current	0 to 25 A
Output Power	600 W
Line Regulation Voltage	0.01 percent plus 6 mV
Line Regulation Current	0.01 percent plus 5 mA
Load Regulation Voltage	0.01 percent plus 10 mV
Load Regulation Current	0.01 percent plus 5 mA
Voltage Measurement Ranges	20 V / 100 V
Voltage Measurement Accuracy	0.05 percent plus 0.05 percent F.S.
Current Measurement Ranges	5 A / 25 A
Current Measurement Accuracy	0.1 percent plus 0.2 percent F.S.
Voltage Ripple Peak To Peak 0 To 20 MHz: 85 mV	
Specifications	
PARAMETER	VALUE
Voltage Ripple RMS	10 mV
Current Ripple RMS	10 mA
Efficiency Typical	0.75
Drift 8 Hours Voltage	0.02 percent of Vmax
Drift 8 Hours Current	0.04 percent of Imax
Temperature Coefficient Voltage	0.02 percent of Vmax perCTemperature Coefficient Current: 0.04 percent of Imax perCTransient Response Time: 3 ms
Transient Voltage Excursion 10 Percent Step	180 mV
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Weight	13 kg
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Notes

Numeric rows from Chroma 62000P Series datasheet column for 62006P-100-25. At 100 V the constant power envelope limits current to 6 A (100 V times 6 A equals 600 W).

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.