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Data Sheet

August 14, 2026

AMETEK / ELGAR / SORENSEN

Ametek / Elgar / Sorensen DLM8-75M9G DLM 600W Series Power Supply

Ametek / Elgar / Sorensen DC Power Supplies. Voltage: 0–8 VDC (continuously variable), Current: 0–75 A (continuously variable), Current: 11 A maximum at 115 VAC.



MODEL

**Ametek / Elgar /
Sorensen DLM8-
75M9G**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

DLM8-75M9G

LISTING

[https://aumictechlabs.c
om/products/dlm8-75m
9g-3/](https://aumictechlabs.com/products/dlm8-75m9g-3/)

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Ametek / Elgar / Sorensen DLM8-75M9G is a 600W programmable DC power supply engineered for applications demanding stable output with low noise. Its compact 1U high, half-rack wide chassis accommodates high-density rackmount and benchtop configurations. Zero Voltage Switching (ZVS) technology delivers ripple and noise levels comparable to linear supplies while maintaining 82% typical efficiency and rapid load transient response. Technical Specifications Output Characteristics Output voltage: 0–8 VDC (continuously variable) Output current: 0–75 A (continuously variable) Power output: 600 W maximum Line regulation: 0.005% of $V_{max} + 2$ mV (voltage); 0.01% of $I_{max} + 2$ mA (current) Load regulation: 0.005% of $V_{max} + 2$ mV (voltage); 0.02% of $I_{max} + 5$ mA (current) Ripple: 2.5 mV RMS typical Noise: 15 mV peak-to-peak typical Stability: $\pm 0.05\%$ of maximum voltage or current over 8 hours (post 30-minute warm-up,

fixed line/load/temperature) Temperature coefficient: 0.02%/°C (voltage); 0.03%/°C (current)

Input Specifications AC input: 90–132 VAC or 180–264 VAC, auto-ranging, 47–63 Hz, single phase
Input current: 11 A maximum at 115 VAC; 6 A maximum at 230 VAC Power factor: 0.6 typical at full load
Temperature & Mechanical Form factor: 1U high, half-rack wide chassis Efficiency: 82% typical

Key Features Zero Voltage Switching (ZVS) technology for low-noise operation Remote voltage and current programming via 0–5 VDC, 0–10 VDC, or 4–20 mA input Overvoltage Protection (OVP) programmable from 5–110% of full-scale output voltage Analog programming: 0–5 kΩ external resistor support Output monitoring: voltage and current selectable to 0–5 VDC or 0–10 VDC scaled readout Auto-ranging AC input eliminates manual voltage selection

Typical Applications Laboratory and production test environments Rackmount power distribution systems Precision circuit characterization and validation

Compatibility & Integration Programming inputs accommodate standard analog signals and current-sourced control. Monitoring outputs support integration with external data acquisition and control systems via selectable voltage ranges.

DLM875M9G Characteristics / Specifications

PARAMETER	VALUE
Model	DLM 8-75
Output Voltage	0 to 8 V DC
Output Current	0 to 75 A DC
Output Power	600 W
Line Regulation Voltage	2.4 mV (0.005 percent of Vmax plus 2 mV)
Line Regulation Current	9.5 mA (0.01 percent of Imax plus 2 mA)
Load Regulation Voltage	2.4 mV (0.005 percent of Vmax plus 2 mV)
Load Regulation Current	20 mA (0.02 percent of Imax plus 5 mA)
Remote Voltage Programming Accuracy	20 mV (0.25 percent of Vmax)
Remote Current Programming Accuracy	375 mA (0.5 percent of Imax)
OVP Accuracy Class	88 mV (1.0 percent of 1.1 times Vmax)
Display Voltage Accuracy	50 mV (0.5 percent of Vmax plus 1 count)
Display Current Accuracy	850 mA (1.0 percent of Imax plus 1 count)
Preview Voltage Accuracy	90 mV (1.0 percent of Vmax plus 1 count)
Preview Current Accuracy	1.23 A (1.5 percent of Imax plus 1 count)
Ripple RMS Voltage Mode 20 Hz to 20 MHz	5 mV
Noise Peak To Peak Voltage Mode 20 Hz to 20 MHz	30 mV
OVP Adjustment Range	0.4 to 8.8 V (5 percent to 110 percent of Vmax)
Chassis Height	1U 1.75 inch
Chassis Width	half rack 8.5 inch
AC Input	90 to 132 VAC or 180 to 264 VAC autoranging 47 to 63 Hz
Operating Temperature	0 C to 50 C
Cooling	variable speed fans front/side intake rear/side exhaust
Display	dual 3.5 digit LED

PARAMETER	VALUE
Topology	zero voltage switching

DLM875M9G Specifications

PARAMETER	VALUE
Applications	High current low voltage ATE, burn-in, and dense rack DC bias. Queue unit DLM8-75M9G adds IEEE-488.2 and RS-232C.
Key Features	600 W 8 V 75 A in 1U half rack
Zero voltage switching low ripple	10 turn V and I controls
Autoranging AC input	Optional GPIB/RS-232 M9G
Technical Specifications	Model: DLM 8-75
Notes	From AMETEK Sorensen DLM 8-75 operation/specification table. M9G is the IEEE-488.2 plus RS-232C option on the queued serial.

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Operating temperature	0 C to 50 C
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Cooling	variable speed fans front/side intake rear/side exhaust
Display	dual 3.5 digit LED
Topology	zero voltage switching Notes From AMETEK Sorensen DLM 8-75 operation/specification table. M9G is the IEEE-488.2 plus RS-232C option on the queued serial.

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	
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Output Voltage	0 to 8 V DC
Output Current	0 to 75 A DC
Output Power	600 W
Line Regulation Voltage	2.4 mV (0.005 percent of Vmax plus 2 mV)
Line Regulation Current	9.5 mA (0.01 percent of Imax plus 2 mA)
Load Regulation Voltage	2.4 mV (0.005 percent of Vmax plus 2 mV)
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Remote Voltage Programming Accuracy	20 mV (0.25 percent of Vmax)
Remote Current Programming Accuracy	375 mA (0.5 percent of Imax)
OVP Accuracy Class	88 mV (1.0 percent of 1.1 times Vmax)
Display Voltage Accuracy	50 mV (0.5 percent of Vmax plus 1 count)
Display Current Accuracy	850 mA (1.0 percent of Imax plus 1 count)
Preview Voltage Accuracy	90 mV (1.0 percent of Vmax plus 1 count)
Preview Current Accuracy	1.23 A (1.5 percent of Imax plus 1 count)
Ripple RMS Voltage Mode 20 Hz to 20 MHz: 5 mV	
Noise Peak To Peak Voltage Mode 20 Hz to 20 MHz: 30 mV	
Specifications	
PARAMETER	VALUE
OVP Adjustment Range	0.4 to 8.8 V (5 percent to 110 percent of Vmax)
Chassis Height	1U 1.75 inch
Chassis Width	half rack 8.5 inch
AC Input	90 to 132 VAC or 180 to 264 VAC autoranging 47 to 63 Hz
Operating Temperature	0 C to 50 C
Cooling	variable speed fans front/side intake rear/side exhaust
Display	dual 3.5 digit LED

Option M9G On Queue Unit: IEEE 488.2 and RS-232C

Topology: zero voltage switching

Notes

From AMETEK Sorensen DLM 8-75 operation/specification table. M9G is the IEEE-488.2 plus RS-232C option on the queued serial.

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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NIST-traceable calibration · SAM registered ·
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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.