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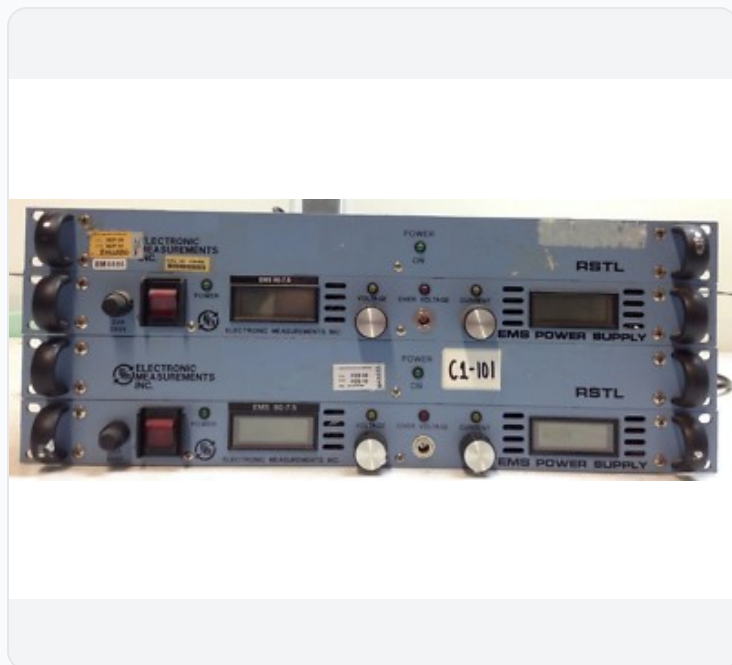
**Data Sheet**

August 1, 2026

EMI

## EMI EMS 80-7.5 RSTL DC Power Supply, 600W

EMI EMS 80-7.5 RSTL DC Power Supply, 600W, A high-capacity DC power supply unit delivering 600 watts of stable power with remote sensing capability suitable for powering industrial equipment, telecom systems and test benches.



MODEL

**EMI 80-7.5 RSTL**

CALIBRATION

**Available on request**

CONDITION

**Used**

STATUS

**In stock**

RFQ / SKU

**80-7.5 RSTL**

LISTING

<https://aumictechlabs.com/products/80-7-5-rs-tl-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

### This unit

The EMI EMS 80-7.5 RSTL is a 600W switch-mode DC power supply engineered for laboratory test, burn-in, industrial equipment, and telecommunications applications. This unit delivers 0–80 VDC at 0–7.5 A with constant voltage/constant current operation and automatic crossover. Remote sensing ensures precise voltage regulation at the load, while the RSTL digital interface enables remote programming and control via GPIB or RS232C for seamless integration into automated test systems. Technical Specifications Output Performance Voltage range: 0–80 VDC Current range: 0–7.5 A Power output: 600 W Line regulation: 0.1% Load regulation: 0.1% (100% load change) Ripple and noise: 75–250 mV RMS (output dependent) Efficiency: 70–87% Input Voltage range: 105–125 VAC or 190–253 VAC (selectable) Frequency: 47–63 Hz Protection: Fusible Environmental Operating temperature: 0°C to +70°C (1% derating per °C above 50°C) Storage temperature: –55°C to +85°C Key Features Remote sensing for load-end voltage regulation Remote programming via GPIB or RS232C interface Adjustable overcurrent protection Overvoltage

protection standard Forced-air cooling with integral fan Digital display (600 W/1 kW models) 1U height configuration Typical Applications Laboratory test and burn-in operations Industrial equipment power sourcing Telecommunications system integration Automated test setups requiring remote control Compatibility & Integration The RSTL interface supports voltage and current programming with optional front-panel control disabling, enabling fully automated operation in multi-unit test environments.

## Features & description

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From manufacturer datasheet

### Features

- Output 0-80 V / 0-7.5 A / 600 W
- Constant voltage and constant current modes
- High-efficiency switch-mode topology (EMS series typically about 69-85% depending on model and load)
- Regulation typically better than 0.1% of maximum rated output over the specified AC line range
- RSTL: IEEE-488 and RS-232 digital programming
- Remote sense capability on base EMS units (confirm whether enabled with RSTL installed)
- 19-inch rack-compatible chassis

# 8075RSTL Characteristics / Specifications

| PARAMETER          | VALUE                                                                                                                                                                                                                                                                                                                          |
|--------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Model              | EMS 80-7.5 RSTL                                                                                                                                                                                                                                                                                                                |
| Manufacturer       | EMI / Lambda-EMI (Electronic Measurements Inc.)                                                                                                                                                                                                                                                                                |
| Series             | EMS                                                                                                                                                                                                                                                                                                                            |
| Instrument Type    | Switch-mode DC power supply (CV/CC)                                                                                                                                                                                                                                                                                            |
| Output Voltage     | 0 to 80 V DC                                                                                                                                                                                                                                                                                                                   |
| Output Current     | 0 to 7.5 A                                                                                                                                                                                                                                                                                                                     |
| Output Power       | 600 W                                                                                                                                                                                                                                                                                                                          |
| Regulation         | typically less than 0.1% of maximum rated over AC line range (EMS series)                                                                                                                                                                                                                                                      |
| Efficiency         | approximately 69-85% class (EMS series, model/load dependent)                                                                                                                                                                                                                                                                  |
| Remote Programming | IEEE-488 (GPIB) and RS-232 (RSTL option)                                                                                                                                                                                                                                                                                       |
| Form Factor        | approximately 1.75 inHclass x 19 inWx 17 in D (600 W EMS class; RSTL adds height)                                                                                                                                                                                                                                              |
| AC Input           | confirm faceplate (typically 115/230 VAC class for EMS) Standard Operating Conditions Provide adequate ventilation for switch-mode supplies. Observe polarity and remote-sense wiring. With RSTL programmer installed, verify whether remote sense is disabled per the operator manual. Do not exceed 600 W continuous rating. |
| RSTL               | IEEE-488 and RS-232 digital programming                                                                                                                                                                                                                                                                                        |

# 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                                                                                                                                                                                                                                    | EMS 80-7.5 RSTL                                                                   |
| Manufacturer                                                                                                                                                                                                                             | EMI / Lambda-EMI (Electronic Measurements Inc.)                                   |
| Series                                                                                                                                                                                                                                   | EMS                                                                               |
| Instrument Type                                                                                                                                                                                                                          | Switch-mode DC power supply (CV/CC)                                               |
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| Output Power                                                                                                                                                                                                                             | 600 W                                                                             |
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| Standard Operating Conditions                                                                                                                                                                                                            |                                                                                   |
| Provide adequate ventilation for switch-mode supplies. Observe polarity and remote-sense wiring. With RSTL programmer installed, verify whether remote sense is disabled per the operator manual. Do not exceed 600 W continuous rating. |                                                                                   |
| Operational Notes                                                                                                                                                                                                                        |                                                                                   |
| RSTL = remote programmer (IEEE-488 + RS-232), notadifferent voltage/current SKU. Confirm serial plate voltage/current match 80 V / 7.5 A. Reference: EMI EMS Series Operator Manual (ValueTronics / Lambda-EMI documentation lineage).   |                                                                                   |

### Available from Aumictech

Used and refurbished unit evaluated in-house. Calibration: Available on request. Used · In stock.

Request a quote: [sales@aumictech.com](mailto:sales@aumictech.com) · +1 (484) 841-9341

#### Aumictech

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<https://aumictechlabs.com>

NIST-traceable calibration · SAM registered ·  
30-day returns  
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Generated August 1, 2026

Technical content from manufacturer specifications. Unit photo/stock from Aumictech listing when available. Specifications subject to OEM documentation and unit condition.