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Data Sheet

August 13, 2026

LAMBDA / TDK

Lambda / TDK / EMI GEN 80-9.5

The TDK-Lambda EMI GEN 80-9.5 is a 1U rack-mount/benchtop programmable DC power supply delivering 760 W (80 Vdc @ 9.5 A) with 87% typical efficiency. Built for OEM, industrial, and laboratory environments, it combines single-phase AC input (85–265 Vac, 47–63 Hz) with active power factor correction (0.99 typical) and low output ripple noise (0.008 Vrms, 5 Hz to 1 MHz). Dual operating modes - constant voltage and constant current - support both fixed and dynamic load scenarios. Protection: Adjustable overvoltage protection (OVP), undervoltage lockout (UVL), current foldback with latch option Safety: IEC61010-1, CSA C22.2 No.61010-1, EN61010-1, UL61010-1; CE/UKCA marked; RoHS compliant User-selectable encoder resolution (6 or 30 turns) for voltage/current adjustment



MODEL

**Lambda / TDK EMI
GEN 80-9.5**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

EMI GEN 80-9.5

LISTING

<https://aumictechlabs.com/products/emi-gen-80-9-5-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

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typical Output: 0–80 Vdc @ 0–9.5 A, 760 W rated Noise: 0.008 Vrms voltage ripple; 0.029 Arms current ripple (5 Hz to 1 MHz) Protection: Adjustable overvoltage protection (OVP), undervoltage lockout (UVL), current foldback with latch option Display: Dual four-digit LED readouts (voltage and current) Dimensions: 422.8 mm W × 43.6 mm H × 432.8 mm D (1U form factor) Weight: 7000 g typical Operating Temperature: 0–50°C Safety: IEC61010-1, CSA C22.2 No.61010-1, EN61010-1, UL61010-1; CE/UKCA marked; RoHS compliant Key Features Parallel operation: up to four units in master/slave configuration Daisy-chain control: up to 31 supplies via RS-485 User-selectable encoder resolution (6 or 30 turns) for voltage/current adjustment Front panel lockout and last-setting memory Standard interfaces: RS-232, RS-485 Optional interfaces: LAN (LXI), USB, GPIB (IEEE 488.2), isolated analog voltage/current control Typical Applications Automotive, semiconductor manufacturing, medical technology, aerospace, and laser diode testing. Compatibility & Integration Free control software available via built-in interfaces. LabVIEW drivers included for automated test systems.

Features & description

From manufacturer datasheet

Features

- Rated output 0 to 80 Vdc, 0 to 9.5 A, 760 W

EMIGEN8095 Characteristics / Specifications

PARAMETER	VALUE
Model	GEN 80-9.5
Manufacturer	TDK-Lambda (Lambda Electronics)
Instrument Type	Programmable DC Power Supply
Series	Genesys
Alias	EMI GEN 80-9.5; GEN 80-9.5; GEN80-9.5; Lambda EMI Genesys 80-9.5
Rated Output Voltage	0 to 80 Vdc
Rated Output Current	0 to 9.5 A
Rated Output Power	760 W
Voltage Ripple RMS	8 mVrms (5 Hz to 1 MHz)
Output Noise PP	60 mV p-p (less than 20 MHz)
Efficiency	83% / 87% (100/200 Vac)
Construction	1U full rack
Output Mode	constant voltage and constant current with automatic crossover
Remote Digital Standard	RS-232 and RS-485
Remote Analog Standard	5 V/10 V program and monitor class
Interface Options	LAN (LXI 1.5); USB 2.0; IEEE 488.2; isolated analog 5 V/10 V; isolated analog 4-20 mA
AC Input Family	worldwide AC with PFC on Genesys family (exact range is faceplate: 85-265 Vac 1-phase on 750 W class; 170-265 Vac 1-phase or 3-phase on 3.3 kW; 3-phase on 5 kW/10 kW/15 kW)
Input Frequency	47 to 63 Hz
Operating Temperature	0 to 50 C (750 W / GENH class tables); confirm higher-power derating on the faceplate manual
Safety Standards	IEC 61010-1; CSA C22.2 No. 61010-1; EN 61010-1; UL 61010-1
Protection	OVP, overtemperature, and current limit / foldback class Genesys features
Parallel Operation	master/slave paralleling per Genesys user manual

PARAMETER	VALUE
Series Operation	permitted within family voltage-to-chassis limits
Programming	front panel and remote digital/analog
Meters	front-panel voltage and current metering
Cooling	forced air, rack/bench Genesys chassis
Status	production Genesys family (not recommended to invent later GENESYS+ ratings on this file)
Brand Note	Electronic Measurements Inc / Lambda EMI Genesys branding on some faceplates
Half Rack Sibling	GENH 80-9.5
AC Input 750 W Class	85 to 265 Vac single phase on GENH/GEN 750 W product center Notes Specs from TDK-Lambda Genesys table for GEN 80-9.5. EMI front-panel branding does not change the 0-80 V / 0-9.5 A / 760 W rating. Confirm full-rack vs GENH half-rack and installed digital interface.

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Operating temperature	0 to 50 C (750 W / GENH class tables); confirm higher-power derating on the faceplate manual
Operating Temperature	0 to 50 C (750 W / GENH class tables); confirm higher-power derating on the faceplate manual
Safety Standards	IEC 61010-1; CSA C22.2 No. 61010-1; EN 61010-1; UL 61010-1
Protection	OVP, overtemperature, and current limit / foldback class Genesys features
Parallel Operation	master/slave paralleling per Genesys user manual
Series Operation	permitted within family voltage-to-chassis limits
Programming	front panel and remote digital/analog
Meters	front-panel voltage and current metering
Cooling	forced air, rack/bench Genesys chassis
Status	production Genesys family (not recommended to invent later GENESYS+ ratings on this file)
Brand Note	Electronic Measurements Inc / Lambda EMI Genesys branding on some faceplates
Half Rack Sibling	GENH 80-9.5
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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	GEN 80-9.5
Manufacturer	TDK-Lambda (Lambda Electronics)
Instrument Type	Programmable DC Power Supply
Specifications	
PARAMETER	VALUE
Series	Genesys
Alias	EMI GEN 80-9.5; GEN 80-9.5; GEN80-9.5; Lambda EMI Genesys 80-9.5
Rated Output Voltage	0 to 80 Vdc
Specifications	
PARAMETER	VALUE
Rated Output Current	0 to 9.5 A
Rated Output Power	760 W
Voltage Ripple RMS	8 mVrms (5 Hz to 1 MHz)
Specifications	
PARAMETER	VALUE
Output Noise PP	60 mV p-p (less than 20 MHz)
Efficiency	83% / 87% (100/200 Vac)
Construction	1U full rack
Specifications	
PARAMETER	VALUE
Output Mode	constant voltage and constant current with automatic crossover
Remote Digital Standard	RS-232 and RS-485
Remote Analog Standard	5 V/10 V program and monitor class

Interface Options: LAN (LXI 1.5); USB 2.0; IEEE 488.2; isolated analog 5 V/10 V; isolated analog 4-20 mA

AC Input Family: worldwide AC with PFC on Genesys family (exact range is faceplate: 85-265 Vac 1-phase on 750 W class; 170-265 Vac 1-phase or 3-phase on 3.3 kW; 3-phase on 5 kW/10 kW/15 kW)

Specifications

PARAMETER	VALUE
Input Frequency	47 to 63 Hz
Operating Temperature	0 to 50 C (750 W / GENH class tables); confirm higher-power derating on the faceplate manual
Safety Standards	IEC 61010-1; CSA C22.2 No. 61010-1; EN 61010-1; UL 61010-1

Specifications

PARAMETER	VALUE
Protection	OVP, overtemperature, and current limit / foldback class Genesys features
Parallel Operation	master/slave paralleling per Genesys user manual
Series Operation	permitted within family voltage-to-chassis limits

Specifications

PARAMETER	VALUE
Programming	front panel and remote digital/analog
Meters	front-panel voltage and current metering
Cooling	forced air, rack/bench Genesys chassis

Specifications

PARAMETER	VALUE
Status	production Genesys family (not recommended to invent later GENESYS+ ratings on this file)
Brand Note	Electronic Measurements Inc / Lambda EMI Genesys branding on some faceplates
Half Rack Sibling	GENH 80-9.5

AC Input 750 W Class: 85 to 265 Vac single phase on GENH/GEN 750 W product center

Notes

Specs from TDK-Lambda Genesys table for GEN 80-9.5. EMI front-panel branding does not change the 0-80 V / 0-9.5 A / 760 W rating. Confirm full-rack vs GENH half-rack and installed digital interface.

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.