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Data Sheet

August 13, 2026

LAMBDA / TDK

Lambda / TDK / EMI GEN 20-38

Manufacturer: TDK-Lambda (Lambda Electronics) Instrument Type: Programmable DC Power Supply Alias: GEN 20-38; GEN20-38; Lambda GEN 20-38 Voltage Ripple RMS: 8 mVrms (5 Hz to 1 MHz) Instrument Type: Programmable DC Power Supply Alias: GEN 20-38; GEN20-38; Lambda GEN 20-38 Voltage Ripple RMS: 8 mVrms (5 Hz to 1 MHz) Output Noise PP: 60 mV p-p (less than 20 MHz)



MODEL

Lambda / TDK GEN 20-38

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

GEN 20-38

LISTING

<https://aumictechlabs.com/products/gen-20-38-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Lambda GEN 20-38 is a solid power supply unit designed for demanding applications. It features advanced circuitry for stable voltage and current delivery. With built-in EMI filtering, it minimizes electromagnetic interference, ensuring clean power for sensitive equipment. Ideal for industrial, medical, and telecommunications environments, this unit has a reliable power solution.

Features & description

From manufacturer datasheet

Features

- Rated output 0 to 20 Vdc, 0 to 38 A, 760 W

GEN20 Characteristics / Specifications

PARAMETER	VALUE
Model	GEN 20-38
Manufacturer	TDK-Lambda (Lambda Electronics)
Instrument Type	Programmable DC Power Supply
Series	Genesys
Alias	GEN 20-38; GEN20-38; Lambda GEN 20-38
Rated Output Voltage	0 to 20 Vdc
Rated Output Current	0 to 38 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	82% / 85% (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)
Half Rack Sibling	GENH 20-38 (same V/I/P, 1U half rack)
Current Ripple Family	GENH 20-38 lists 0.076 Arms (5 Hz to 1 MHz) on TDK product center
GENH Weight	4500 g typical (9.9 lb) on GENH 750 W product center pages
GENH Size	214 mmWx 43.6 mmHx 437.5 mmDtypical half-rack Notes Specs from TDK-Lambda Genesys model table (GEN 20-38 760 W, 1U rack). Half-rack sibling is GENH 20-38. Confirm AC input jumper/range and installed interface option (LAN/USB/GPIB/IS510/IS420) on the rear label.

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
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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
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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	
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Specifications	
PARAMETER	VALUE
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Rated Output Power	760 W
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Specifications	
PARAMETER	VALUE
Output Noise PP	60 mV p-p (less than 20 MHz)
Efficiency	82% / 85% (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

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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
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Notes

Specs from TDK-Lambda Genesys model table (GEN 20-38 760 W, 1U rack). Half-rack sibling is GENH 20-38. Confirm AC input jumper/range and installed interface option (LAN/USB/GPIB/IS510/IS420) on the rear label.

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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30-day returns
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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.