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Data Sheet

August 13, 2026

LAMBDA / TDK

Lambda / TDK / EMI GEN 100-100

The Lambda/TDK GEN 100-100 is a 10 kW three-phase DC power supply delivering 100 Vdc at 100 A with programmable output from 0–100 Vdc and 0–100 A. Part of the Genesys™ series, it combines high efficiency (83% typical) with low output noise - 0.025 Vrms voltage ripple and 0.04 Arms current ripple across 5 Hz to 1 MHz - making it suitable for demanding industrial, laboratory, and OEM test environments. Input: 3-phase, 47–63 Hz; two models (GEN 100-100-3P400: 342–440 Vac; GEN 100-100-3P480: 432–528 Vac) Package: 3U rackmount or bench configuration, 429 mm W × 132.5 mm H × 564 mm D; 44 kg Optional: LAN (LXI compliant), USB, GPIB, isolated analog current control, isolated analog voltage control



MODEL

**Lambda / TDK GEN
100-100**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

GEN 100-100

LISTING

[https://aumictechlabs.c
om/products/gen-100-1
00-2/](https://aumictechlabs.com/products/gen-100-100-2/)

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Lambda/TDK GEN 100-100 is a 10 kW three-phase DC power supply delivering 100 Vdc at 100 A with programmable output from 0–100 Vdc and 0–100 A. Part of the Genesys™ series, it combines high efficiency (83% typical) with low output noise - 0.025 Vrms voltage ripple and 0.04 Arms current ripple across 5 Hz to 1 MHz - making it suitable for demanding industrial, laboratory, and OEM test environments. Technical Specifications Output: 10 kW, 100 Vdc rated, 0–100 Vdc adjustable Output Current: 100 A rated, 0–100 A range Output Noise: 0.025 Vrms, 0.04 Arms (5 Hz–1 MHz) Input: 3-phase, 47–63 Hz; two models (GEN 100-100-3P400: 342–440 Vac;

GEN 100-100-3P480: 432–528 Vac) Power Factor Correction: Active, 0.94 typical at 208/380 Vac Efficiency: 83% typical Package: 3U rackmount or bench configuration, 429 mm W × 132.5 mm H × 564 mm D; 44 kg Operating Temperature: 0–50°C Key Features Constant voltage/constant current auto-crossover operation Parallel operation with active current sharing up to four units Last setting memory with safe restart Front panel lockout and independent remote ON/OFF control External analog programming and monitoring capability Remote sensing for improved line regulation Reliable encoders for manual voltage and current adjustment Interfaces & Integration Standard: RS-232, RS-485 Optional: LAN (LXI compliant), USB, GPIB, isolated analog current control, isolated analog voltage control Compliance Safety: EN60950-1, UL60950-1 Marks: CE, UKCA Environmental: RoHS

Features & description

From manufacturer datasheet

Features

- Rated output 0 to 100 Vdc, 0 to 100 A, 10000 W

GEN100100 Characteristics / Specifications

PARAMETER	VALUE
Model	GEN 100-100
Manufacturer	TDK-Lambda (Lambda Electronics)
Instrument Type	Programmable DC Power Supply
Series	Genesys
Alias	GEN 100-100; GEN100-100; GEN 100-100-3P208
Rated Output Voltage	0 to 100 Vdc
Rated Output Current	0 to 100 A
Rated Output Power	10000 W
Voltage Ripple RMS	25 mVrms (5 Hz to 1 MHz)
Output Noise PP	100 mV p-p (less than 20 MHz)
Efficiency	83%
Construction	3U 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) Notes Specs from TDK-Lambda Genesys table (GEN 100-100, 10000 W, 3U). Confirm 3-phase 208 vs 400/480 Vac input 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
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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
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) Notes Specs from TDK-Lambda Genesys table (GEN 100-100, 10000 W, 3U). Confirm 3-phase 208 vs 400/480 Vac input and installed digital interface.

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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PARAMETER	VALUE
Model	GEN 100-100
Manufacturer	TDK-Lambda (Lambda Electronics)
Instrument Type	Programmable DC Power Supply
Specifications	
PARAMETER	VALUE
Series	Genesys
Alias	GEN 100-100; GEN100-100; GEN 100-100-3P208
Rated Output Voltage	0 to 100 Vdc
Specifications	
PARAMETER	VALUE
Rated Output Current	0 to 100 A
Rated Output Power	10000 W
Voltage Ripple RMS	25 mVrms (5 Hz to 1 MHz)
Specifications	
PARAMETER	VALUE
Output Noise PP	100 mV p-p (less than 20 MHz)
Efficiency	83%
Construction	3U 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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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

Status: production Genesys family (not recommended to invent later GENESYS+ ratings on this file)

Notes

Specs from TDK-Lambda Genesys table (GEN 100-100, 10000 W, 3U). Confirm 3-phase 208 vs 400/480 Vac input 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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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.