

**Aumictech**

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Data Sheet

August 13, 2026

LAMBDA / TDK

Lambda / TDK / EMI GEN200-16.5

Lambda / TDK DC Power Supplies. Resolution: 4 mV, Resolution: 0.33 mA, Current: Settable via RS-232/RS-485 or analog (0–5 V/0–.



MODEL

**Lambda / TDK
GEN200-16.5**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

GEN200-16.5

LISTING

<https://aumictechlabs.com/products/gen200-16-5-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The GEN200-16.5 is a 3300 W programmable DC power supply from TDK Lambda's Genesys™ series, delivering 0–200 Vdc at up to 16.5 A for OEM, industrial, and laboratory applications. Active power factor correction (typical 0.99) and standard RS-232/RS-485 interfaces enable flexible, networked operation. Output voltage ripple noise measures 0.07 Vrms (5 Hz to 1 MHz) with 4 mV resolution; current output resolves to 0.33 mA. The unit operates from single-phase 170–265 Vac input (47–63 Hz) at typical 83% efficiency. Adjustable over-voltage protection (OVP), under-voltage lockout (UVL), and current foldback safeguard the load. Safe Re-Start and Last Setting Memory functions ensure predictable power-up behavior. Rear-panel analog voltage and current programming accept 0–5 V or 0–10 V isolated control signals. Up to four identical units network in parallel for increased total capacity, appearing as a single supply to the operator. Technical Specifications Output: 0–200 Vdc @ 0–16.5 A, 3300 W rated Voltage ripple noise: 0.07 Vrms (5 Hz to 1 MHz) Voltage resolution: 4 mV Current resolution: 0.33 mA AC input: 170–265 Vac, single-phase, 47–63 Hz Efficiency: 83% typical; 88% at 100/200 VAC Power factor correction: 0.99

typical (active) Output voltage/current: Settable via RS-232/RS-485 or analog (0–5 V/0–10 V isolated inputs) Dimensions: 423 mm (W) × 88 mm (H) × 442.5 mm (D) Key Features Adjustable over-voltage protection (OVP) and under-voltage lockout (UVL) Adjustable current foldback with selectable output latching Front-panel encoders for voltage and current control Safe Re-Start and Last Setting Memory functions Parallel operation capability (up to four units) Front-panel lockout option Typical Applications Industrial test and burn-in systems Laboratory R&D and prototype validation OEM equipment integration requiring networked power Compatibility & Integration Standard RS-232/RS-485 interfaces support serial configuration and monitoring. Optional LAN (LXI), GPIB, USB, and isolated analog control modules extend integration options. LabVIEW and LabWindows drivers simplify software development.

Features & description

From manufacturer datasheet

Features

- Rated output 0 to 200 Vdc, 0 to 16.5 A, 3300 W

GEN200165 Characteristics / Specifications

PARAMETER	VALUE
Model	GEN200-16.5
Manufacturer	TDK-Lambda (Lambda Electronics)
Instrument Type	Programmable DC Power Supply
Series	Genesys
Alias	GEN200-16.5; GEN 200-16.5; GEN200-16.5-1P230
Rated Output Voltage	0 to 200 Vdc
Rated Output Current	0 to 16.5 A
Rated Output Power	3300 W
Voltage Ripple RMS	70 mVrms (5 Hz to 1 MHz)
Output Noise PP	275 mV p-p (less than 20 MHz)
Efficiency	88%
Construction	2U rack (GEN2U 3300 W)
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)
TDK Series Code	GEN2U 3300W
AC Input 1P2	170 to 265 Vac single phase (product center)
Family Inputs	3-phase 170-265 Vac or 342-460 Vac class also cataloged on 2U Genesys Notes Specs from TDK-Lambda Genesys table (GEN 200-16.5, 3300 W, 2U) and TDK product center GEN200-16.5-1P230. Product-center ripple may list 0.07 Vrms; this file uses the Americas comparison table 70 mVrms / 275 mV p-p. Confirm 1P230 vs 3P208/3P400 input on the 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
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)
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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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Model	GEN200-16.5
Manufacturer	TDK-Lambda (Lambda Electronics)
Instrument Type	Programmable DC Power Supply
Specifications	
PARAMETER	VALUE
Series	Genesys
Alias	GEN200-16.5; GEN 200-16.5; GEN200-16.5-1P230
Rated Output Voltage	0 to 200 Vdc
Specifications	
PARAMETER	VALUE
Rated Output Current	0 to 16.5 A
Rated Output Power	3300 W
Voltage Ripple RMS	70 mVrms (5 Hz to 1 MHz)
Specifications	
PARAMETER	VALUE
Output Noise PP	275 mV p-p (less than 20 MHz)
Efficiency	88%
Construction	2U rack (GEN2U 3300 W)
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)
TDK Series Code	GEN2U 3300W
AC Input 1P230	170 to 265 Vac single phase (product center)

Family Inputs: 3-phase 170-265 Vac or 342-460 Vac class also cataloged on 2U Genesys

Notes

Specs from TDK-Lambda Genesys table (GEN 200-16.5, 3300 W, 2U) and TDK product center GEN200-16.5-1P230. Product-center ripple may list 0.07 Vrms; this file uses the Americas comparison table 70 mVrms / 275 mV p-p. Confirm 1P230 vs 3P208/3P400 input on the 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

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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.