

Power Supply Products

Advanced 1U Full-Rack AC/DC Programmable Power Supply Series Adds 2.7kW Platform to Its Product Portfolio

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TDK Corporation announces the introduction of the TDK-Lambda [1U Full-Rack GENESYS™ 2.7kW AC/DC Programmable Power Supply Series](#). Adding to the already released 1.7kW, 5kW, 10kW and 15kW platforms, the 2.7kW platform provides the user with a choice of ten different models, ranging from 10V-265A to 600V-4.5A, that have advanced performance and functionality well suited for Design, Test and Measurement within the Laboratory/R&D environment and address broad market segments including Automotive, Aerospace, Semiconductor, Industrial and Renewable/Alternative Energy.

Built into a lightweight 1U high, 19" (483mm) wide rack-mountable chassis, the **GENESYS™ 2.7kW Power Supply Series** offers five embedded front panel setup menus that offer user-selectable functions including *Internal Resistance simulation*, *Slew-Rate control* of Output voltage/current, *Constant-Power limit* and *Arbitrary waveform* generation.

All models have three AC Input options which include a *single-phase 230VAC Input* (with 0.99 PF), a *three-phase 208VAC Input* (with 0.94 PF) or a *wide-range 400VAC/480VAC Input* (with 0.94 PF), and have conversion efficiencies up to 90.5% with cooling fan speed control (for reduced audible noise and extended life).

Standard safety features include user-selectable **Safe-Start/Auto Re-Start** and **Last Setting Memory** along with other built-in protective functions including Output Over-Voltage Protection (**OVP**), Output Under-Voltage Limit (**UVL**), Output Under-Voltage Protection (**UVP**), Fold-Back protection (**FOLD**) for CV or CC mode, Output Over-Current Limit (**OCL**) and Over-Temperature protection (**OTP**).

A new **Advanced Parallel** Master/Slave system allows for up to four units to be connected in parallel with *Auto-Configuring* technology and provides dynamic response and Output voltage ripple/noise characteristics comparable to that of a single unit.

All model functions can be programmed locally via the menu-driven front panel display or remotely using software instrument drivers with any one of the **three** built-in standard Digital interfaces (**LAN (LXI 1.5)**, **USB (2.0)** and **RS-232/RS-485**). Other programming interfaces include the built-in standard Isolated Analog Program/Monitor/Control Interface, the optional **IEEE** (IEEE 488.2) and ModBUS-TCP Digital interfaces.

The **GENESYS™ 2.7kW** Power Supply Series carries a five (5) year warranty, has Safety certifications to IEC/EN/UL/cJUL 60950-1 and has the CE mark in accordance with the Low Voltage, EMC (IEC/EN61204-3; industrial environment) and RoHS Directives.

For more information about the TDK-Lambda 1U Full-Rack **GENESYS™ 2.7kW** AC/DC Programmable Power Supply Series, please visit the TDK-Lambda Americas Programmable & High Voltage website at https://us.tdk-lambda.com/hp/product_html/genplus1u2_7.htm and fill out an online Information Request at https://us.tdk-lambda.com/hp/Form/request_genplus2-7.htm.

Also available is the Low-Cost General-Purpose **1U Full-Rack Genesys™ 2.4kW DC Programmable Power Supply Series** along with a wide range of other TDK-Lambda Americas Programmable & High Voltage power supplies which can be viewed from the Programmable & High Voltage website at <https://us.tdk-lambda.com/hp/>.

About TDK Corporation

TDK Corporation is a leading electronics company based in Tokyo, Japan. It was established in 1935 to commercialize ferrite, a key material in electronic and magnetic products. TDK's portfolio features passive components such as ceramic, aluminium electrolytic and film capacitors, and magnetics, high-frequency, and piezo and protection devices. The product spectrum also includes sensors and sensor systems such as temperature and pressure, magnetic, and MEMS sensors. In addition, TDK provides power supplies and energy devices, magnetic heads and more. These products are marketed under the product brands TDK, EPCOS, InvenSense, Micronas, Tronics and TDK-Lambda. TDK focuses on demanding markets in the areas of information and communication technology and automotive, industrial and consumer electronics. The company has a network of design and manufacturing locations and sales offices in Asia, Europe, and in North and South America. In fiscal 2019, TDK posted total sales of USD 12.5 billion and employed about 105,000 people worldwide.

About TDK-Lambda Corporation

TDK-Lambda Corporation, a group company of TDK Corporation, is a leading global power supply company providing highly reliable power supplies for industrial equipment worldwide. TDK-Lambda Corporation meets the various needs of customers with our entire range of activities, from research and development through to manufacturing, sales, and service with bases in five key areas, covering Japan, Europe, America, China, and Asia.

For more details, please pay a visit to <https://www.tdk-lambda.com/>

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