

Power Supply Products

New Generation Full-Rack 1U AC/DC Programmable Power Supply Series is Extended with 1.7kW Series Operating from Wide-Range Single Phase AC Input

Neptune, NJ – February, 2019

TDK Corporation announces the introduction of the TDK-Lambda [1U Full-Rack GENESYS™ 1.7kW AC/DC Programmable Power Supply Series](#). This platform provides the user with a choice of ten different models, ranging from 10V-170A to 600V-2.8A, that have advanced performance and functionality well suited for Design, Test and Measurement in 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™ 1.7kW Power Supply Series** offers five embedded front panel setup menus that address **Digital Communication, Protective Functions, Operating Configuration, System Configuration**, and **System Triggering**. These embedded menus offer user-selectable functions including *Internal Resistance simulation* and *Slew-Rate control* of Output voltage/current and have the capability to generate, store, recall and activate up to four on-board *Arbitrary waveform* profiles.

All models can operate in *Constant-Current* (CC), *Constant-Voltage* (CV) as well as the newly offered *Constant-Power* (CP) limit and have conversion efficiencies up to 90%. Operation from a wide-range single-phase AC Input (85VAC to 265VAC) is standard along with built-in Power Factor Correction (0.99 typical) and 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 (OVP, UVL, UVP, FOLD-CV, FOLD-CC, OCL and OTP) and up to four units can be connected in parallel with an auto-configuring Advanced Parallel system that provides dynamic response and Output voltage ripple/noise characteristics comparable with 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 and the optional **IEEE** (IEEE 488.2) Digital interface.

The **GENESYS™ 1.7kW** Power Supply Series carries a five (5) year warranty, has Safety certifications to IEC/EN/UL/cJUL 60950-1 and has **CE** marking in accordance with the Low Voltage, EMC (IEC/EN61204-3; industrial environment) and RoHS2 Directives.

For more information about the TDK-Lambda 1U Full-Rack **GENESYS™** 1.7kW AC/DC Programmable Power Supply Series, please visit the TDK-Lambda Americas Programmable & High Voltage website at https://www.us.tdk-lambda.com/hp/product_html/genplus1u1_7.htm and fill out an online Information Request at http://www.us.tdk-lambda.com/hp/form/request_genplus1-7.htm.

A wide range of other TDK-Lambda Americas Programmable & High Voltage power supplies can be viewed from the website at <http://www.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, aluminum 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 2018, TDK posted total sales of USD 12 billion and employed about 103,000 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 <http://www.tdk-lambda.com/>

Contacts for Regional Media

Region	Contact	Phone	Mail
Americas	Tom Goodman Product Manager Low Voltage Products	+1.732.795.4100, x4148	tom.goodman@us.tdk-lambda.com
