



Press Information

Power Supplies

TDK expands compact industrial power supply series with 600 W and 1000 W models

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TDK Corporation (TSE:6762) announces the expansion of the TDK-Lambda brand GUS series of compact, single-output general-purpose power supplies with 600 W and 1000 W models. Designed for applications such as light industrial equipment, factory automation, semiconductor fabrication, ATE test systems, LED lighting, and broadcast, the new models deliver high efficiency, long life, and reliable performance.

The new GUS models provide output voltages of 12, 24, 36, and 48 V, achieving efficiencies of up to 95 % with a load of 30 to 100 %. This enables significant annual energy savings in excess of hundreds of kW hours. Both units feature an internal cooling fan with a low acoustic noise, typically less than 45 dBA, ensuring quiet operation in noise-sensitive environments.

The series addresses a market requirement for manufacturers who require a power supply with a high level of reliability, long electrolytic capacitor field life, and high efficiency performance at an economical price.

The GUS600 model measures 101.6 x 41 x 152.4 mm (W x H x D), while the GUS1000 has a compact package size of 101.6 x 41 x 177.8 mm. Both models offer a compact footprint, helping engineers maximise available system space. The models feature an operating temperature range of -20 to +70 °C and are backed by a three-year warranty. The output voltage can be adjusted for non-standard system voltages, and output remote on/off is available as an option.

Safety certifications include IEC/EN/UL/CSA62368-1 (compliant to IEC61010-1) and carry the CE and UKCA marking for the Low Voltage, EMC and RoHS Directives. The units also comply with EN 55011-B and EN 55032-B conducted and radiated emissions standards and meet EN 61000-3-2 harmonics and IEC 61000-4 immunity standards. The GUS series also meets IEC 62477-1 (OVC III) and has an input-to-output isolation of 2,000 Vac, input-to-ground of 3,000 Vac, and an output-to-ground of 500 Vac.

Main applications

- Light industrial, factory automation, semiconductor fabrication, ATE test systems, LED lighting and broadcast

Main features and benefits

- 95.5% efficiency
- Compact size
- EN 55011-B and EN 55032-B EMI compliance
- Conservative electrolytic capacitor ratings
- Compliant to IEC 62477-1 (OVC III)

Type		GUS600	GUS1000
Nominal input voltage	V _{ac}	100 - 240	
Output voltage	V _{dc}	12, 24, 36, 48	
Output power	W	600	1000
Efficiency	%	Up to 95.5	
Size (W x H x D)	mm	101.6 x 41 x 152.4	101.6 x 41 x 177.8
Safety certifications		IEC/EN/UL/CSA62368-1 (compliant to IEC61010)	

About TDK Corporation

TDK Corporation (TSE:6762) is a global technology company and innovation leader in the electronics industry, based in Tokyo, Japan. With the tagline “In Everything, Better” TDK aims to realize a better future across all aspects of life, industry, and society. For over 90 years, TDK has shaped the world from within; from the pioneering ferrite cores to cassette tapes that defined an era, to powering the digital age with advanced components, sensors, and batteries, leading the way towards a more sustainable future. United by TDK Venture Spirit, a start-up mentality built on visions, courage and mutual trust, TDK’s passionate team members around the globe pursue better—for ourselves, customers, partners, and the world. Today, the state-of-the-art technologies of TDK are in everything, from industrial applications, energy systems, electric vehicles, to smartphones and gaming, at the core of modern life. TDK’s comprehensive, innovative-driven portfolio includes cutting-edge passive components, sensors and sensor systems, power supplies, lithium-ion and solid-state batteries, magnetic heads, AI and enterprise software solutions, and more—featuring numerous market-leading products. These are marketed under the product brands TDK, EPCOS, InvenSense, Micronas, Tronics, TDK-Lambda, TDK SenseEI, and ATL. Positioning the AI ecosystem as a key strategic area, TDK leverages its global network across the automotive, information and communication technology, and industrial equipment sectors to expand its business in a wide range of fields. In fiscal 2025, TDK posted total sales of USD 14.4 billion and employed about 105,000 people worldwide.

About TDK-Lambda Corporation

TDK-Lambda Corporation is a trusted, innovative leader and global supplier of highly reliable power conversion products for industrial and medical equipment worldwide.

TDK-Lambda Corporation is aligned for fast responses to any customer need with R&D, manufacturing, sales and service locations in five key geographic regions, namely Japan, EMEA, Americas, China and ASEAN.

For more details, please pay a visit to: www.jp.lambda.tdk.com/en/

Further information on the products can be found under [GUS350-1000 Series Datasheet](#)

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