

Power Supplies

Compact single output, general-purpose power supplies series

June 2025

TDK Corporation (TSE 6762) announces the introduction of the TDK-Lambda GUS350 series of compact, single output general-purpose power supplies. The models are rated at 350W with 12, 24, 36 and 48V outputs. The GUS350 is convection-cooled and is available with output voltage adjustment function, remote on-off, and DIN-rail mounting bracket options.

The GUS350 series addresses the need for an economically priced product, while maintaining reliability and quality. This provides an alternative source of power for manufacturers who require a higher grade of construction without significantly impacting cost. The GUS350 models measure 101.6 x 41 x 127 mm (W x H x D) and have an operating temperature from -20 to +70°C, with a three-year warranty. With efficiencies of up to 95.5%, energy consumption and internal losses are reduced, lowering internal component temperatures and enhancing long-term product reliability.

Safety certifications include IEC/EN/UL/CSA62368-1 (compliant to IEC61010-1) as well as 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 GUS350 series meets IEC 62477-1 (OVC III) and has input-to-output isolation of 2,000Vac, input-to-ground 3,000Vac, and output-to-ground 500Vac.

Further information on the GUS350 series can be found at <https://product.tdk.com/en/power/gus>

Main applications

- Light industrial, automation, ATE test systems, LED lighting, 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)

Key data

Model		GUS
Nominal input voltage	Vac	100 - 240
Output voltage	Vdc	12, 24, 36, 48
Output power	W	350 - 355
Efficiency	%	Up to 95.5
Size (W x H x D)	mm	101.6 x 41 x 127
Safety Certifications		IEC/EN/UL/CSA62368-1 (compliant to IEC61010)

About TDK Corporation

TDK Corporation is a world leader in electronic solutions for the smart society based in Tokyo, Japan. Built on a foundation of material sciences mastery, TDK welcomes societal transformation by resolutely remaining at the forefront of technological evolution. It was established in 1935 to commercialize ferrite, a key material in electronic and magnetic products. TDK's comprehensive, innovation-driven portfolio features passive components such as ceramic, aluminum electrolytic and film capacitors, as well as 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, software and more. These products are marketed under the product brands TDK, EPCOS, InvenSense, Micronas, Tronics, and TDK-Lambda. TDK focuses on demanding markets in automotive, industrial and consumer electronics, and information and communication technology. The company has a network of design and manufacturing locations and sales offices in Asia, Europe, and in North and South America. 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/

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