

Power Supply Product

350W Medical & ITE Certified Power Supplies are Convection Cooled

September 2015

TDK Corporation announces the introduction of TDK-Lambda's CUS350M medical and ITE certified 350W power supplies. Requiring no external airflow, the series is suitable for hospital, clinical, dental and home based medical applications as well as professional broadcast, test, measurement and audio equipment where low audible noise is demanded.

Carrying a 3-year warranty, the CUS350M series is currently available with 12V, 18V, 24V, or 48V outputs with a user adjustment of +/-5% to accommodate non-standard voltages. The series can reliably provide up to 350W output power (convection cooled) at 40°C ambient, and 175W at 70°C. With efficiencies of up to 94%, an average rating of 87% and a standby power consumption of less than 0.5W, the units comply with the European ErP Directive.

The units are enclosed in a compact 190mm x 87mm x 40mm (7.5" x 3.4" x 1.6") package and will operate from a wide 85 to 264Vac input. The fully featured "/F" suffix models include a 5V 0.5A standby output, a 12V 0.3A auxiliary output, remote sense, an isolated DC Good signal and remote on/off function. Input to output isolation is 4,000Vac (2 x MOPPs) and 1,500Vac (1xMOPPs) input to ground and output to ground.

The CUS350M power supplies are certified to IEC/EN 60601-1, ANSI/AAMI ES 60601-1 and IEC/EN/US 60950-1 and are CE marked for the Low Voltage and RoHS2 Directives. The units also comply with EN 55011-B, EN 55022-B and FCC Class B for conducted emissions (Class A radiated), and meet the IEC 61000-4 immunity and IEC 61000-3-2 harmonic current standards.

More information can be obtained at the following TDK-Lambda Americas website, <http://www.us.tdk-lambda.com/lp/products/cus-m-series.htm>, or by calling 800-LAMBDA-4. Product availability for the CUS350M series can be found via the link to TDK-Lambda's distributor network (see "Check Distributor Stock") at <http://www.us.tdk-lambda.com/lp/>.

Major applications

Medical, test and measurement, broadcast and audio equipment

Main features and benefits

- 350W output power without external airflow
- Medical and ITE certifications
- Efficiencies of up to 94%
- Fully featured (/F suffix)

Major specifications

Model		CUS350M
Input Voltage	Vac	85 to 265Vac
Output Voltages	Vdc	12V, 18V, 24V or 48V
Output Power	W	350W (Convection cooled)
Efficiency	%	Up to 94%
Size	Inches (mm)	7.5 x 3.4 x 1.6" (190 x 87x 40 mm)
Safety Certifications	-	IEC/EN 60601-1, ANSI/AAMI ES 60601-1 and IEC/EN/US 60950-1

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 includes electronic components, modules and systems* which are marketed under the product brands TDK and EPCOS, power supplies, magnetic application products as well as energy devices, flash memory application devices, and others. TDK focuses on demanding markets in the areas of information and communication technology and consumer, automotive and industrial 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 2015, TDK posted total sales of USD 9.0 billion and employed about 88,000 people worldwide.

* The product portfolio includes ceramic, aluminum electrolytic and film capacitors, ferrites, inductors, high-frequency components such as surface acoustic wave (SAW) filter products and modules, piezo and protection components, and sensors.

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/>

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