

Power Supply Product

Conduction / convection cooled power supplies with a low 31mm height have up to 206W peak loading

February 2018

TDK Corporation announces the introduction of the TDK-Lambda CUS200LD AC-DC power supply, rated at 120W convection or 150W conduction cooled. Up to 206W can be delivered for up to 10 seconds to drive peak loads associated with dynamic LED displays. The product's 31mm height allows the product to be mounted inside low profile signage, or industrial equipment with limited space requirements.

The CUS200LD has an 85 to 265Vac input and can operate in ambient temperatures of up to +70°C, with start-up at -40°C. Initially six output voltages are available; 5V, 7.5V, 12V, 15V, 24V and 48V adjustable by +/-10% for non-standard outputs. Overall case dimensions are 160mm in length, 60mm wide and 31mm in height. Connection is made via screw terminal blocks for both the input and output.

The power supply series is safety certified to IEC/EN/UL/CSA 60950-1 with CE marking for the Low Voltage, EMC and RoHS2 Directives. The model is also compliant to EN 55011, EN 55032 Class B conducted and radiated emissions, EN 61000-3-2 harmonics and IEC 61000-4 immunity standards.

More information can be obtained at the following TDK-Lambda Americas website, <http://www.us.tdk-lambda.com/lp/products/cus-series.htm>, or by calling 800-LAMBDA-4. Product availability for all the CUS200LD power supplies can be found via the link to TDK-Lambda's distributor network (see "Check Distributor Stock to Buy") at <http://www.us.tdk-lambda.com/lp/>.

Major applications

LED signage, process control, broadcast, test, measurement and communications equipment

Main features and benefits

- Convection or Conduction Cooled
- Up to 206W Peak Power Capability
- Low 31mm Height
- -40°C Ambient Temperature Start Up

Major specifications

Model		CUS200LD
Input voltage range	Vac	85 to 265Vac
Output voltages	Vdc	5, 7.5, 12, 15, 24 and 48V (3.3, 4.2 and 28V models to follow)
Output power	W	Convection: up to 120W; Conduction: up to 150W
Operating temperature	°C	-20 to +70°C with -40°C start-up
Safety	-	IEC/EN/UL/CSA 60950-1, CE mark
Size (L x W x H)	mm	160 x 60 x 31

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 passive components, such as ceramic, aluminum electrolytic and film capacitors, ferrites and inductors, high-frequency products, and piezo and protection components, as well as sensors and sensor systems and power supplies. These products are marketed under the product brands TDK, EPCOS, Micronas, Tronics and TDK-Lambda. TDK's further main product groups include magnetic application products, energy devices, and flash memory application devices. 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 2017, TDK posted total sales of USD 10.5 billion and employed about 100,000 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 Tillman TDK-Lambda Americas	(619) 575 4400	tom.tillman@us.tdk-lambda.com