

Power Supply Product

30W 1 inch by 1 inch DC-DC Converters Have 4:1 Input Range

June 2015

TDK Corporation announces the introduction of the TDK-Lambda 30W CCG30S series of DC-DC converters. Operating over a 4:1 input range, these highly efficient products are enclosed in a 1 inch by 1 inch six-sided shielded metal case. Applications include data-communications, tele-communications, process control, broadcast, battery powered and test and measurement equipment.

The CCG30S is available with 3.3V, 5V, 12V or 15V outputs and can operate from either a 9 to 36Vdc or 18 to 76Vdc input. The wide range enables inventory reduction programs as the converters can operate from either 12V and 24V or 24V and 48V nominal inputs without the need to stock two parts.

With operating efficiencies of up to 91%, the CCG30S series will operate in ambient temperatures from -40 to +85°C. All models are backed by a five-year warranty and have a +/-10% output trim function, remote on/off and over voltage and over current protection.

The fully isolated CCG series has an input to output isolation of 1,500Vdc and 1,000Vdc input or output to case. Safety certification includes IEC/EN 60950-1, UL/CSA 60950-1 with CE marking for the Low Voltage and RoHS2 Directives.

More information can be obtained at the following TDK-Lambda Americas website, <http://www.us.tdk-lambda.com/lp/products/ccg-series.htm>, or by calling 800-LAMBDA-4. Product availability from July for the CCG30S series 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

Data and tele-communications, process control, broadcast, battery powered and test and measurement equipment.

Main features and benefits

- 1" x 1" Industry standard footprint
- 4:1 input range
- Six Sided Shielding
- High Efficiency - Up to 91%

Major specifications

Model		CCG30S
Input Voltages	Vdc	9 – 36Vdc or 18 – 76Vdc
Output Voltages	Vdc	3.3V, 5V, 12V and 15V
Output Power	W	23 - 30W
Efficiency	%	Up to 91%
Size (H x W x L)	mm	9.9 x 25.4 x 25.4mm

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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