

Power Supply Product

40-65W Industrial Power Supplies Accept 115/230/277Vac Nominal Inputs

November 2017

TDK Corporation announces the introduction of the CSW65 series of AC-DC power supplies, rated at 40 to 65W output power. Accepting a very wide 90 to 305Vac input, the units can operate from 115V, 230V and 277V nominal inputs, are available in a U-channel construction and have cover and/or DIN rail mounting clip options. Target applications include security, audio video and building automation systems.

Available output voltages include 5, 12, 15, 18, 24, 28, 48 and 54V, have a no-load power consumption of less than 150mW and comply with DOE Efficiency Level VI requirements. Average efficiency levels are greater than 89% (87.2% for the 5V model). The CSW65 measures 63.5 x 120.7 x 38.1 mm (W x L x H) and 63.5 x 120.7 x 47.2 mm with the DIN rail clip installed.

The series will operate convection cooled in ambient temperatures of -10 to +70°C, derating linearly to 50% load from 50°C to 70°C. All the power supplies are certified to IEC/EN/UL/CSA 60950-1 with CE marking for the Low Voltage, EMC and RoHS2 Directives. The CSW65 24V output model has also been evaluated for NEC Class 2 limits in accordance with UL 1310. The series is compliant to EN 55032-B (radiated and conducted) and meets EN 55024 immunity standards.

More information can be obtained at the following TDK-Lambda Americas website, <http://www.us.tdk-lambda.com/lp/products/csw-series.htm>, or by calling 800-LAMBDA-4. Product availability for the CSW65 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/..](http://www.us.tdk-lambda.com/lp/)

Major applications

Security, audio video and building automation systems

Main features and benefits

- 90 - 305VAC input voltage
- NEC Class 2 (24V output)
- DIN rail mounting option
- <0.15W off-load power consumption

Major specifications

Model		CSW65
Input voltage range	Vac	90 to 305Vac
Output voltages	Vdc	5, 12, 15, 18, 24, 28, 48 and 54V
Output power	W	40W (5V) to 65W (12-54V)
Operating temperature	°C	-10 to +70°C. (Derating linearly to 50% load above 50°C)
Safety	-	IEC/EN/UL 60950-1
Size (W x L x H)	mm	63.5 x 120.7 x 38.1 mm (excluding DIN rail clip)
Warranty	-	Three Years

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/>

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