

Power Supply Product

100W to 150W Adapter Power Supplies Meet DoE Level VI Efficiency Standards

January 2016

TDK Corporation announces the introduction of the TDK-Lambda DT100D and DT150D adapter power supplies compliant with level VI efficiency standards. Suitable for a variety of test and measurement, communications and industrial applications, the adapters meet the new stringent average efficiency and no-load power regulations, mandated by the US DoE applicable from February 2016.

Accepting a 90 to 264VAC input, the 100 to 150W adapters are available with 12V to 48V outputs and can operate in ambient temperatures up to +60°C (de-rating applies above 40 °C). In addition to satisfying Energy Efficiency Level VI with an average efficiency of greater than 87% and an off-load power draw of less than 150mW, the products also meet EU Tier 2 requirements.

The series is housed in a rugged, vent-free enclosure, measuring 85 x 170 x 44mm. AC is applied using a standard IEC 60320-C13 cable and DC provided through a four pin Power-DIN connector. Other connectors are available upon request. The adapters also feature over-voltage and over-current protection.

The DT100/150-D models have been certified to UL 60950-1, CSA C22.2-No.60950-1, EN 60950-1, IEC 60950-1, and are CE marked for the LVD and RoHS2 Directives. All units meet EN 55022-B, FCC Class B conducted & radiated emissions and EN55024 immunity standards.

More information can be obtained at the following TDK-Lambda Americas website, <http://www.us.tdk-lambda.com/lp/products/dt-c-series.htm>, or by calling 800-LAMBDA-4. Product availability for the DT100/150D 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

Test and measurement, communications and industrial

Main features and benefits

- Compliant with US DoE level VI and EU Tier 2 requirements
- < 150mW off-load power
- Wide range of outputs from 12V to 48V
- Rugged non-vented enclosure

Major specifications

Model		DT100/150D
Input Voltage	Vac	90 to 264Vac
Output Voltages	Vdc	12V to 48V
Output Power	W	100 to 150W
Certifications	-	IEC/UL/CSA/EN 60950-1
Size (H x W x L)	mm	85 x 170 x 44mm

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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